

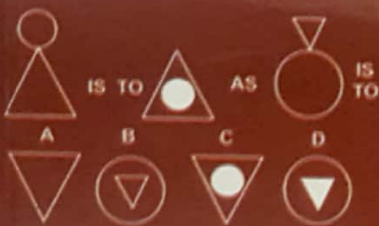
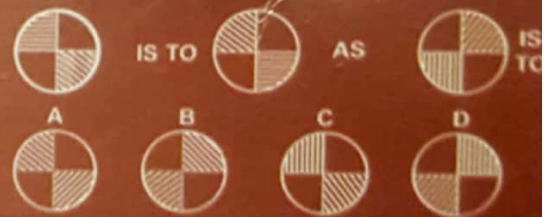
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INTELLIGENCE TESTS

Slow is to Fast as High is to
choices (a) Light (b) Low
(c) Heavy (d) Top

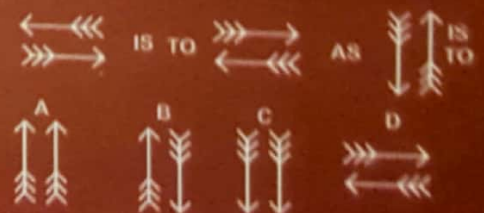


Complete the Series

- (a) 6, 9, 13, 16, 20, 23.....
(b) 3, 5, 10, 12, 24, _____, _____

Trace out the odd from the following:

- (a) Canal (b) River
(c) Tank (d) Well



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KINDS OF VERBAL INTELLIGENCE TESTS

1. Analogy Test (TYPE 1)

In this type of test, some relationship is shown in the first two objects or ideas. The same relationship exists between the next two objects and ideas. But, in the next two, only one is mentioned, and the other has to be chosen by the candidate out of the three or four suggested choices or has to suggest one most suitable choice from his own. Thus, the examinee should sense out of the exact relationship existing between the first two objects or ideas and apply the same to the next two. For example:

Example: Home is to man as nest is to

- (a) Animal (b) Snake (c) Fish (d) Bird

Hint: If we read the relationship between first two objects i.e., home and man. We find that it is of residence and resident. The same relationship we should apply to 'Nest'. Nest is the residence of bird. Thus, answer (d) is the appropriate choice.

Ans. (d).

EXERCISE

- 'Head' is to 'Cap' as 'finger' is to
(a) Nail (b) Ring (c) Thumb (d) Helmet
- Drama is related to Director as magazine is to
(a) Printer (b) Publisher (c) Editor (d) Reader
- Water is related to Dam as trade is to
(a) Money (b) Commerce (c) Goods (d) Shipping
- Argument is related to Debate as fight is to
(a) Contest (b) Quarrel (c) Friendship (d) Controversy
- As bird is to Feather so is cat to
(a) Paws (b) Fur (c) Feet (d) Hair
- Year is to Month as week is to
(a) Day (b) Hours (c) Minutes (d) Fortnight

7. As food is to Growth so as knowledge is to
 (a) Wealth (b) Peace (c) Wisdom (d) Happiness
8. Handsome is to Beautiful as he is to
 (a) Lovely (b) Girl (c) Charming (d) She
9. Success is related to Hard work as failure is to
 (a) Industry (b) Roaming (c) Laziness (d) Waste of time
10. Poor is to Rich as pauper is to
 (a) Wealthy (b) Brave
 (c) Multi-millionaire (d) Soldier
11. Gold is to Ornaments as wood is to
 (a) Chair (b) Table (c) Decoration (d) Furniture
12. Mule is to Pack as Ox is to
 (a) Yoke (b) Hoof (c) Neck (d) Horn
13. Statute is to Shape as song is to
 (a) Words (b) Melody (c) Beauty (d) Tune
14. Listen is to Hear as look is to
 (a) Watch (b) Observe (c) See (d) Notice
15. Time is to Watch as pressure is to
 (a) Barometer (b) Thermometer (c) Lactometer (d) Hydrometer
16. Coal is to Engine as wax to
 (a) Lamp (b) Candle (c) Bulb (d) Thread
17. Blindness is to Eye as deafness is to
 (a) Brain (b) Head (c) Ear (d) Nose
18. Food is to Eat as water is to
 (a) Dirt (b) Drink (c) Fire (d) Wash
19. Carpenter is to Wood as tailor is to
 (a) Ship (b) Shop (c) Cloth (d) Machine
20. Road is to Car as sea is to
 (a) Cart (b) Cycle (c) Ship (d) Boat
21. Limb is to Body as branch is to
 (a) Building (b) Tree (c) Garden (d) Grass
22. General is to Soldier as Admiral is to
 (a) Captain (b) Sailor (c) Master (d) Player
23. Ice is to Melt as water is to
 (a) Dry (b) Wash (c) Evaporate (d) Flow



24. Milk is to White as sky is to
(a) Red (b) Green (c) Blue (d) Black
25. Boot is to Foot as glove is to
(a) Wool (b) Hand (c) Cotton (d) Cloth
26. Cow is to Calf as mother is to
(a) Sister (b) Son (c) Daughter (d) Husband
27. Teacher is to Students as doctor is to
(a) Patients (b) Medicine (c) Hospital (d) Drugs
28. Rich is to Poor as healthy is to
(a) Weight (b) Height (c) Sick (d) Stout
29. Bird is to Nest as horse is to
(a) Mare (b) Ride (b) Tanga (d) Stable
30. Petal is to Flower as arm is to
(a) Toe (b) Body (c) Skin (d) Hand
31. Health is to Sickness as happiness is to
(a) Sadness (b) Cheerfulness (c) Sweetness (d) Well-being
32. Refrigerator is to Cool as oven is to
(a) Bake (b) Heat (c) Warm (d) Cook
33. Zoo is to Animals as aquarium is to
(a) Bird (b) Animal (c) Fishes (d) Horse
34. Philosophy is to Philosopher as physics is to
(a) Physique (b) Physical (c) Psychologist (d) Physicist
35. Paper is to Book as bricks is to
(a) Building (b) Cement (c) Ground (d) Mason
36. Mare is to Horse as bitch is to
(a) Ox (b) Dog (c) Pig (d) Bear
37. Escort is to Visitor as guide is to
(a) Film (b) Child (c) Tourist (d) Student
38. 'N' is to 'P' as 'S' is to
(a) U (b) T (c) V (d) R
39. Flower is to Butterfly as dirt is to
(a) Mosquito (b) Fly (c) Bugs (d) Rat
40. President is related to Republic as king is related to
(a) Democracy (b) Dictatorship (c) Monarchy (d) Anarchy



41. Hot is related to Stream as cold is related to
(a) Snow (b) Ice (c) Weather (d) Ice-cream
42. Dog is to Bark as cat is to
(a) Bray (b) Mice (c) Mew (d) Cry
43. Foot is to Walk as nose is to
(a) Breath (b) Smell (c) Work (d) Taste
44. A bird is to Feather as cat is to
(a) Fur (b) Paws (c) Ears (d) Hair
45. Fan is to Cool as heater is to
(a) Heat (b) Warm (c) Electricity (d) Light
46. Man is to Walk as train is to
(a) Run (b) Track (c) Move (d) Transport
47. Mountain is to Cold as plain is to
(a) Summer (b) Winter (c) Water (d) Hot
48. Apple is to Banana as carrot is to
(a) Radish (b) Peach (c) Bean (d) Date
49. Donkey is to Horse as dog is to
(a) Snake (b) Parrot (c) Lizard (d) Cat
50. Lizard is to Frog as parrot is to
(a) Duck (b) Dog (c) Dove (d) Fish
51. Bismarck is to Disraeli as Hastings is to
(a) Clive (b) Washington (c) Jeffreys (d) Duplex
52. High is to Low as up is to
(a) Above (b) Down (c) Below (d) Surface
53. Bulb is to Light as pen is to
(a) Write (b) Pencil (c) Ink (d) Paper
54. Hot is to Bold as Alament is to
(a) Hard (b) Yielding (c) Shift (d) Dull
55. Lion is to Cage as man is to
(a) Marriage (b) Jail (c) Women (d) Child
56. Accept is to Reject as work is to
(a) Rest (b) Play (c) Eat (d) Sleep
57. God is to Immortal as man is to
(a) Woman (b) Life (c) Mortal (d) Death

58. Nose is to Breathe as mouth is to
 (a) Water (b) Food (c) Eat (d) Drink
59. As food is to Eating as newspaper is to
 (a) Paper (b) Reading (c) Print (d) Sale
60. Hard work is to success as treatment is to
 (a) Medicine (b) Cure (c) Disease (d) Curb
61. Honey is to Bee as milk is to
 (a) White (b) Health (c) Cow (d) None of these
62. Needle is to Sew as Pen is to
 (a) Paper (b) Student (c) Pencil (d) Write
63. Much is to More as little is to
 (a) Low (b) Less (c) Below (d) Down
64. Fair is to Fare as Hair is to
 (a) Hair (b) Dare (c) Hare (d) Heir
65. Tac to cat as Tar is to
 (a) Rat (b) Tore (c) More (d) Roar
66. Admission is to Admit as blood is to
 (a) Bleeding (b) Bleed (c) Blood-thirsty (d) Blood-comes
67. Knife is to Cut as pencil is to
 (a) Write (b) Fall (c) Run (d) Paper
68. Paddy is to Kharif as wheat is to
 (a) Summer (b) Winter (c) Rainfall (d) Rabi
69. Snow is to Mountain as crown is to
 (a) Peacock (b) King (c) Man (d) Peak
70. Water is to Well as coal is to
 (a) Hill (b) Pit (c) Mine (d) Miner
71. Bird is to Aves as man is to
 (a) Lizards (b) Homo-sapien (c) Apes (d) Mammals
72. Architect is to Building as goldsmith is to
 (a) Gold (b) Silver (c) Jewellery (d) Iron
73. Palm is to Finger as Foot is to
 (a) Thumb (b) Toe (c) Leg (d) Pulse
74. Politicians are to Crafty as Voters are to
 (a) Gullible (b) Corruption (c) Credible (d) Victim



75. Under to Below as Apex is to
 (a) Top (b) Middle (c) Above (d) high
76. Smoke is to Pollution as war is to
 (a) Defeat (b) Victory (c) Death (d) Army
77. Newspaper is to Editor as film is to
 (a) Actor (b) Director (c) Producer (d) Story writer
78. Cobbler is to Shoes as mason is to
 (a) Wall (b) Wood (c) Iron (d) Silver
79. Grapes is to Wine as wheat is to
 (a) Bread (b) Wheat (c) Hour (d) Grain
80. Meat is to Vegetarian as liquor is to
 (a) Introvert (b) Save (c) Tectotaller (d) Irrational



Answers Key

| | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 1. b | 2. c | 3. b | 4. b | 5. b | 6. a | 7. c | 8. d |
| 9. c | 10. c | 11. d | 12. a | 13. b | 14. c | 15. a | 16. b |
| 17. c | 18. b | 19. c | 20. c | 21. b | 22. b | 23. c | 24. c |
| 25. b | 26. b | 27. a | 28. c | 29. d | 30. d | 31. a | 32. b |
| 33. c | 34. d | 35. a | 36. b | 37. c | 38. a | 39. b | 40. c |
| 41. b | 42. c | 43. b | 44. a | 45. b | 46. c | 47. d | 48. d |
| 49. c | 50. a | 51. c | 52. b | 53. a | 54. b | 55. b | 56. a |
| 57. c | 58. c | 59. b | 60. b | 61. c | 62. d | 63. b | 64. c |
| 65. a | 66. b | 67. a | 68. d | 69. b | 70. c | 71. b | 72. c |
| 73. b | 74. a | 75. a | 76. d | 77. b | 78. a | 79. a | 80. c |



2. Analogy Test

In this type of relationship, two words are given, which show relationship with one another, and other various alternatives will be given, the examinee has to choose the most appropriate other related two words. These relationships can be analyzed under different conditions, degrees, meanings, etc. Some of them are expressed as below:

(A) **Purpose relationship** – When two items or words have purpose with another, the analogy is said to be purposely related. e.g.,

Glove : Ball as

(a) Hook and Fish (b)

Weather and Winter

(c) Place and Home

(d) Stadium and Seats

In the above example, there exists a relationship of Glove and Ball. The purpose of glove is to help in catching the ball. A similar purpose relationship exists in Hook and Fish. The purpose of hook is to catch the fish. Thus, answer (a) is correct.

(B) **Cause and effect relationship** – When two words are related in such a manner that one is the effect of another, it is said to be cause and effect relationship. For example:

Race : Fatigue as

(a) Art : Bug

(b) Smoking : Disease

(c) French : Athlete

(d) Running : Walking

In the above example, race is the cause whereas the effect is fatigue. Similar relationship exists between smoking and disease. So, answer (b) is correct.

(C) **Class and constituent relationship** – When out of the two words expressing some sort of relationship and one word represents class and the other is constituent of the class, the relationship is said to be class-constituent relationship. For example:

Snake : Reptile as

(a) Patch : Thread (b)

Removal : Snow

(c) Cow : Animal (d)

Hand : Clock

In the above example, snake is the constituent of animal whereon as reptile is the class. Similarly, animal is the class and cow is one of the constituent of animal. So, answer (c) is correct.

(D) **Part and whole relationship** – In this type of relationship, two words represent the part of a bigger thing. For example:

Lyric : Ode as

(a) Sky : Earth

(b) Head : Legs

(c) Bomb : Science

(d) Radio : Clock

In the above example, Lyric and Ode are the types of poems and similarly Head and Legs are the two parts of the body. Hence, answer (b) is correct.

(E) Sequence relationship – In this type of relationship, two events occur in sequence. For example:

Spring : Summer as

- | | |
|----------------------|--------------------------|
| (a) Sunday : Monday | (b) Thursday : Wednesday |
| (c) Tuesday : Friday | (d) Friday : Monday |

In the above example, Summer comes after Spring and in the similar way Monday comes after Sunday, so answer (a) is correct.

(F) Place and event relationship – In this type of relationship, a place and historic event or monument are expressed and accordingly certain choices are given. The examinee has to choose the best possible choice. For example:

Badshahi Mosque : Lahore as

- | | |
|-------------------------|----------------------------|
| (a) Red Square : Moscow | (b) Albany : New York |
| (c) Pakistan : Asia | (d) Pakistan : Bangla Desh |

In the above example, Lahore is a place whereas Badshahi Mosque is a place associated with Lahore. A similar relationship exists between Red Square and Moscow. Thus, answer (a) is correct.

(G) Association relationship – In this type of relationship, two characteristics are associated with one another and on the same pattern certain other choices are given. The examinee has to choose the best possible alternate. For example:

Angel : Noble deeds

- | | |
|-------------------------|-------------------|
| (a) Slippery : Unstable | (b) Ink : Writing |
| (c) Picture : Ground | (d) Book : Pages |

In the above example, Angel is associated with Noble deeds. Similarly, Ink is associated with Writing. Thus, alternative (b) is the suitable choice.

(H) Action to object relationship – In this type of relationship, action is associated with the object on which that action can be taken out of the various choices given. Candidate has to select the best suitable choice. For example:

Kick : Football as

- | | |
|-----------------------|-----------------------|
| (a) Bread : Slices | (b) Kill : Bomb |
| (c) Climate : Weather | (d) Smoke : Cigarette |

In the above example, kick shows an action and football is the object of action. A similar relationship is available in smoke and cigarette. So, option (d) is correct.

This association can be expressed in the reverse order also. First the object is given



and secondly the action performed on the object is given. For example:

Bow : Shooting as

- | | |
|-----------------|--------------------|
| (a) Food : Sell | (b) Streak : Broil |
| (c) Wine : Pour | (d) Bruit : Paper |

In the above example, the bow is an object and shooting is an action taken with the help of bow. Similarly, streak is an object whereas broil is an action taken on streak. Thus, answer (b) is correct.

(I) **Synonym relationship** – When one word is synonym of another, the relationship is said to be synonym relationship out of the various possible alternative. For example:

Large : Enormous as

- | | |
|---------------------|---------------------|
| (a) Rogue : Roof | (b) Dirty : Unclean |
| (c) Purse : Kitchen | (d) Black : Brown |

In the above example, large and enormous both mean huge and in the similar way dirty and unclean are the same. Thus, alternate (b) is correct.

(J) **Antonym relationship** – When one word is antonym of another, the relationship expressed is known as antonym relationship. For example:

Adversity : Happiness as

- | | |
|-------------------------|--------------------------|
| (a) Boldness : Victory | (b) Fear : Misfortune |
| (c) Balance : Adversity | (d) Serenity : Vehemence |

In the above example, adversity is antonym of happiness. The similar relationship lies with serenity and vehemence. Thus, (d) alternative is correct.

(K) **Degree or stage relationship** – When two items are different stages of a particular behaviour, the relationship is said to be degree or stage relationship. For example:

Girl : Woman as

- | | |
|-----------------------|----------------------|
| (a) Student : Teacher | (b) Black : White |
| (c) Infant : Child | (d) Bright : Genuine |

In the above example, girl is the first stage of woman. Similarly infant is the first stage of child. Thus, alternate (c) is correct.

(L) **Grammatical relationship** – When two verbs, two nouns, two adverbs, etc. are given and in the alternative choice also the same type of relationship exists. This type of association is known as grammatical relationship. For example:

Walk : Climb as

- | | |
|-----------------------|--------------------|
| (a) Garden : Gardener | (b) Ball : Eye |
| (c) Run : See | (d) Street : Store |



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In the above example, walk and climb are both verbs. Similarly, in alternate (c) run and see are both verbs. Thus, answer (c) is the correct choice.

EXERCISE

Direction:

In each of the following questions, there are four alternative answers, satisfy the same relationship as is found between the two terms in the main question. Find the correct answer and put a cross in the box against the correct answer.

1. Bread : Cake as

- | | |
|-------------------|----------------------|
| (a) Pot : Pan | (b) Poverty : Riches |
| (c) Wheat : Chaff | (d) Shirt : Tie |

2. Lahore : Punjab as

- | | |
|------------------------------------|-----------------------------|
| (a) Pakistan : Hyderabad | (b) Chittagong : Bangladesh |
| (c) Peshawar : Khyber Pakhtoonkhwa | (d) Karachi : Pakistan |

3. Blacksmith : Hammer as

- | | |
|---------------------|-----------------------|
| (a) Soldier : Gun | (b) Merchant : Scales |
| (c) Carpenter : Saw | (d) Clerk : Files |

4. Barometer : Hydrometer as

- | | |
|-------------------------|---------------------|
| (a) Mercury : Water | (b) Cloudy : Sultry |
| (c) Pressure : Humidity | (d) Rain : Snow |

5. Marriage : Celebrate as

- | | |
|----------------------|--------------------------|
| (a) Defeat : Failure | (b) Punish : Lament |
| (c) Gloom : Despair | (d) Condone : Punishment |

6. January : Winter as

- | | |
|------------------------|-----------------------|
| (a) June : Summer | (b) Summer : June |
| (c) Spring : September | (d) February : Autumn |

7. Family : Child as

- | | |
|--------------------|-----------------|
| (a) Pound : Dollar | (b) Pond : Fish |
| (c) Bunch : Flower | (d) Herd : Calf |

8. Inexperience : Errors as

- | | |
|---------------------------|-------------------------|
| (a) Carelessness : Losses | (b) Question : Solution |
| (c) Dispute : Settlement | (d) Case : Judgement |

9. Problem : Hypothesis as

- | | |
|---------------------------|---------------------------|
| (a) Blunder : Unattention | (b) Condition : Prognosis |
| (c) Frugality : Training | (d) Failure : Defeat |



10. **Restrict : Encourage as**
(a) Loss : Despair (b) Profit : Efforts
(c) Close : Open (d) End : Finish
12. **Lawyer : Court as**
(a) Business : Market (b) Labourer : Factory
(c) Athletic : Olympics (d) Cow : Herd
13. **Propensity : Tendency as**
(a) Prologue : Epilogue (b) Master : Slave
(c) Conduct : Immorality (d) Audacity : Impudence
14. **Brain : Neurology as**
(a) Body : Physiology (b) Entomology : Plants
(c) Biology : Animal (d) Botany : Plants
15. **Mundane : Common as**
(a) Car : Cycle (b) Ubiquitous : Omnipresent
(c) Water : Oxygen (d) Fear : Misfortune
16. **Latitude : Longitude as**
(a) Equator : Tropic of Cancer (b) Fluctuate : Flout
(c) Preamble : Postscript (d) Length : Breadth
17. **Dubious : Indisputable as**
(a) Slander : Libel (b) Avaricious : Generous
(c) Perspicacious : Tenacity (d) Painful : Helpful
18. **Corpulent : Skinny as**
(a) Courage : Lion (b) Tea : Kettle
(c) Copious : Insufficient (d) Genius : Intelligence
19. **Dire : Grim as**
(a) Talking : Gossips (a) Lead : Pencil
(c) Punitive : Miniature (d) Diabolic : Wicked
20. **Rotate : Gyrate as**
(a) Purity : Reject (b) Accolade : Criticism
(c) Move : Freewheel (d) Absolve : Exonerate
21. **Correspondence : Clerk as**
(a) Office : Manager (b) Record : Archivist
(c) Secretary : Stenographer (d) Audit : Press
22. **Picture : Frame as**
(a) Book : Cover (b) Radio : Recording
(c) Cup : Saucer (d) Table : Floor

23. **Bacteria : Illness as**
 (a) Milk : Curd
 (c) Health : Illness
24. **Room : House as**
 (a) Chair : Table
 (c) Refrigerator : Kitchen
25. **Projectile : Trajectory as**
 (a) Bullet : Weapon
 (c) Satellite : Orbit
26. **Sorrow : Death as**
 (a) Laugh : Cry
 (c) Hate : Smell
27. **Setting : Stone as**
 (a) Pen : Writing
 (c) Socket : Bulb
28. **Caucasian : Saxon as**
 (a) Carriage : Horse
 (c) Fear : Darkness
29. **Debate : Soliloquy as**
 (a) Telephone : Dial
 (c) Elucidate : Explanation
30. **Tepid : Hot as**
 (a) Topic : Tumble
 (c) Pat : Slap
31. **Mace : Majesty as**
 (a) Book : Knowledge
 (c) Police : Security
32. **Vixen : Scold as**
 (a) Bee : Sting
 (c) Army : Won
33. **Cloth : Texture as**
 (a) Wool : Terelene
 (c) Linen : Flax
34. **Forecast : Happening as**
 (a) Elucidate : Explanation
 (c) Analyze : Problem
- (b) Bomb : Explosion
 (d) Medicine : Cure
- (b) Apartment : Building
 (d) Road : City
- (b) Trade : Tariff
 (d) Rejection : Tragedy
- (b) Fear : Night
 (d) Happiness : Birth
- (b) Picture : Frame
 (d) Pendulum : Clock
- (b) City : Horse
 (d) White : Coloured
- (b) Crowd : Mob
 (d) Group : Hermit
- (b) Bing : Bang
 (d) Worm : Cold
- (b) Diploma : Knowledge
 (d) King : Queen
- (b) Simple : Irritate
 (d) Watch : Draw
- (b) Wood : Grain
 (d) Paper : Book
- (b) Disaster : Foretell
 (d) Prophecy : Miracle
35. **Family :**
 (a) Ba
 (c) Hus
36. **Future :**
 (a) Rec
 (c) Ton
37. **Court : Ju**
 (a) Doc
 (c) Poli
38. **Necklace :**
 (a) Win
 (c) Med
39. **School : D**
 (a) Scho
 (d) Marl
40. **Modesty :**
 (a) Beau
 (c) Won
41. **Tadpole :**
 (a) Cater
 (c) Frog
42. **Cat : Feline**
 (a) Bird
 (c) Bird
43. **Finger : Ha**
 (a) Medic
 (c) Toe :
44. **Adversity :**
 (a) Fear :
 (c) Nature
45. **Octave : Bin**
 (a) Pica :
 (c) Day :
46. **Classic : Gre**
 (a) Empire
 (c) Coloni

35. Family : Child as

- | | |
|--------------------|------------------------|
| (a) Baby : Father | (b) Bird : Flock |
| (c) Husband : Wife | (d) Octopus : Tentacle |

36. Future : Hereafter as

- | | |
|---------------------------------|---------------------------|
| (a) Recapitulation : Repetition | (b) Present : Past |
| (c) Tomorrow : Yesterday | (d) Prognosis : Diagnosis |

37. Court : Justice as

- | | |
|-------------------------|------------------------|
| (a) Doctor : Hospital | (b) Auditor : Accuracy |
| (c) Police : Government | (d) Boss : Executive |

38. Necklace : Adornment as

- | | |
|------------------------|--------------------|
| (a) Window : House | (b) Bronze : Medal |
| (c) Medal : Decoration | (d) Scarf : Dress |

39. School : Discipline as

- | | |
|-------------------------|-----------------------------|
| (a) School : Discipline | (b) Undertrial : Punishment |
| (d) Marks : Examination | (d) Society : Conformity |

40. Modesty : Arrogance as

- | | |
|----------------------|-------------------------|
| (a) Beauty : Honesty | (b) Cause : Effect |
| (c) Woman : Child | (d) Debility : Strength |

41. Tadpole : Frog as

- | | |
|-----------------------------|--------------------|
| (a) Caterpillar : Butterfly | (b) Husband : Wife |
| (c) Frog : Fish | (d) Goose : Dog |

42. Cat : Feline as

- | | |
|--------------------|--------------------|
| (a) Bird : Vulpine | (b) Horse : Equine |
| (c) Bird : Vulture | (d) Rat : Rabbit |

43. Finger : Hand as

- | | |
|------------------------|--------------------|
| (a) Medicine : Tablets | (b) Apple : Cart |
| (c) Toe : Foot | (d) Street : House |

44. Adversity : Happiness as

- | | |
|----------------------|--------------------------|
| (a) Fear : Danger | (b) Misfortune : Misery |
| (c) Nature : Creator | (d) Vehemence : Serenity |

45. Octave : Binding as

- | | |
|---------------------|--------------------|
| (a) Pica : Printing | (b) Rural : Farmer |
| (c) Day : Week | (d) Book : Binding |

46. Classic : Greece as

- | | |
|----------------------------|-----------------------|
| (a) Empire : Roman | (b) France : Italy |
| (c) Colonialism : Pakistan | (d) Orthodox : Priest |

47. **Rusticity : Urbanity as**
 (a) Silk : Wool
 (b) Television : Video
 (b) Caution : Caring
 (d) Rust : Steal
48. **Famine : Hunger as**
 (a) Fall : stream
 (c) Stupidity : Allurement
 (b) Pessimism : Disorder
 (d) Compound : Element
49. **Fuel : Fire as**
 (a) Cold : Heat
 (c) Fire : Forest
 (b) Food : Man
 (d) Wood : Tree
50. **Hare : Tortoise as**
 (a) Truth : Lie
 (c) Telegram : Letter
 (b) Thesis : Essay
 (d) Number : Words
51. **Skeleton : Body as**
 (a) Letter : Contents
 (c) Printer : Press
 (b) Law : Society
 (d) Jury : Law
52. **Ointment : Burn as**
 (a) Bread : Butter
 (c) Tear : Consolation
 (b) Grief : Happiness
 (d) Consolation : Grief
53. **Fiber : Fabric as**
 (a) Average : Aggregate
 (c) Member : League
 (b) Appurtenance : Object
 (d) Obstinacy : Deadlock
54. **Hourglass : Clock as**
 (a) Catapult : Cannon
 (c) A corn : Oak
 (b) Temple : Church
 (d) Church : Priest
55. **Lust : Sex as**
 (a) Friend : Foe
 (c) Dark : Bright
 (b) Lamp : Light
 (d) Anger : Pugnacity
56. **Pup : Bitch as**
 (a) Pen : Pencil
 (c) Horse : Stable
 (b) Kitten : Cat
 (d) Ink : Inkpot
57. **Sodium : Salt as**
 (a) Room : House
 (c) Calcium : Marble
 (b) Water : Wine
 (d) Lime : Limestone
58. **Tree : Forest as**
 (a) Daisy : Meadow
 (a) Frog : Pond
 (b) Grass : Lawn
 (d) Rose : Flower



Possess : Loss as

(a) Hesitate : Advance

(b) Cease : Recur

(c) Continue : Desist

(d) Production : Supply

Apprentice : Mechanic as

(a) Doctor : Inkern

(b) Painter : Artist

(a) Novice : Nun

(d) Layman : Artist



Answers Key

| | | | | | | | | | | | | | | |
|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|
| d | 2. | c | 3. | c | 4. | c | 5. | b | 6. | a | 7. | d | 8. | a |
| b | 10. | c | 11. | c | 12. | a | 13. | d | 14. | a | 15. | b | 16. | a |
| b | 18. | c | 19. | c | 20. | d | 21. | b | 22. | a | 23. | b | 24. | b |
| c | 26. | d | 27. | b | 28. | a | 29. | d | 30. | c | 31. | b | 32. | a |
| b | 34. | c | 35. | d | 36. | a | 37. | b | 38. | c | 39. | d | 40. | d |
| a | 42. | b | 43. | c | 44. | d | 45. | a | 46. | a | 47. | b | 48. | b |
| b | 50. | c | 51. | b | 52. | d | 53. | c | 54. | a | 55. | d | 56. | b |
| c | 58. | b | 59. | c | 60. | c | | | | | | | | |

3. Analogy Test (TYPE 3)

There are certain items associated with one another in different ways. We have to show our best alternate choice for one, which is more reasonable and an appropriate. For example:

Example:

Libra, Pisces, Scorpio-

- (a) They are Greek mythological gods.
- (b) They are stars.
- (c) They are planets.
- (d) They are signs of Zodiac.

Solution.

The above all the four solutions are related with the problem but alternate (d) is the most appropriate. Thus, (d) is the our best choice.

Ans. (d)

Direction.

What is common in the following sets of words? More than one choices may be correct but you have to tick mark the most appropriate one:

EXERCISE

1. **Academy, University, College.**
 - (a) They mean the same thing.
 - (b) They deal with education of the students.
 - (c) They are all institutions.
 - (d) They are common places of worships.
2. **Monkey, Ape, Chimpanzee.**
 - (a) They are herbivorous animals.
 - (b) They are vertebrates.
 - (c) They are primates.
 - (d) They all live on trees.
3. **House, Apartment, Bungalow.**
 - (a) These are all made of bricks and mortar.
 - (b) They are found in cities.
 - (c) They are dwelling places.
 - (d) These are the names of residences.

4. **Fingerprints, Investigation, Post-mortem.**
- (a) They are terms connected with medical science.
 - (b) They are in alphabetic order.
 - (c) They are technical terms generally used for detecting crimes.
 - (d) It is a process used by crime-branch.

5. **Thallophyta, Bryophyta, Pteridophyta.**
- (a) This is a classification of flowerless plants.
 - (b) These are botanical terms.
 - (c) These are the names of flowers.
 - (d) These are terms used in Botony.

6. **Reticule, Hand-bag, Valise.**
- (a) They are synonyms.
 - (b) They are used for carrying small personal belongings.
 - (c) They are used by women only.
 - (d) They are the part of modern life.

7. **Chlorine, Fluorine, Bromine.**
- (a) They are all gases.
 - (b) They are all halogens.
 - (c) They are found free in nature.
 - (d) They are poisonous compounds.

8. **Petal, Stamens, Stigma.**
- (a) They are the part of a flower.
 - (b) They are the part of a plant.
 - (a) They are concerned with pollination of flower.
 - (d) They are different kinds of leaves.

9. **Falsehood, Misrepresentation, Deception.**
- (a) They are synonyms.
 - (b) They are all ungentlemanly acts.
 - (c) They are the modern way of expression.
 - (d) They are mostly used during elections.

10. **Goat, Cow, Buffalo.**
- (a) They are all animals.
 - (b) They are found all over the world.
 - (c) They all give milk.
 - (d) They all have red, brown colour.

11. **Seminar, Symposium, Workshop.**
 - (a) They are various types of conferences of specialists for discussion.
 - (b) These activities have the same purpose that of solving a problem.
 - (c) These are various methods in which people meet.
 - (d) These are various methods adopted for teaching a group.
12. **Turnip, Knol-kohl, Cabbage.**
 - (a) They are all botanical things.
 - (b) They are all flowers.
 - (c) They are all vegetables.
 - (d) They are all common weeds.
13. **Carbohydrates, Proteins, Fats.**
 - (a) They are compounds of carbon.
 - (b) They are essential ingredients of a good diet.
 - (c) They are complex compounds.
 - (d) They are found in plants.
14. **Larva, Tadpole, Frog.**
 - (a) They are found in water.
 - (b) They are various species of frogs.
 - (c) These are kinds of amphibians.
 - (d) They are the various stages of the development of frogs.
15. **Glucose, Fructose, Sucrose.**
 - (a) They are important sugars.
 - (b) They are found in animal tissues.
 - (c) They are organic compounds.
 - (d) They are synthesised from Carbon and Hydrogen.



Answers Key

| | | | | | | | | | | | | |
|-----|---|----|---|-----|---|-----|---|-----|---|-----|---|-----|
| 1. | b | 2. | c | 3. | c | 4. | c | 5. | a | 6. | b | 7. |
| 8. | c | 9. | a | 10. | c | 11. | a | 12. | c | 13. | b | 14. |
| 15. | a | | | | | | | | | | | |

4. Series Test

In this type, a number of digits, letter or symbol etc. are given which follow a particular sequence or order and after that some blank spaces are left. The examinee has to fill up those blanks, either by inserting the appropriate digit, letter or symbol himself or choosing from the given in the question itself.

Example 1. Fill in the blank with an appropriate digits.

10, 4, 12, 4, 14, 4, 16, 4, ..., ..,

Explanation. In the above series, 1st and the alternate items are increasing by two whereas the second item and subsequently alternate items are constant. Thus, the missing items can be 20, 4.

(Ans. 20, 4).

Example 2. Continue the series.

D, F, H, J, L, ..., ..

Explanation. Alphabetical letters are used in the series in order behaving an alternate item. Thus, the next letters are N, P.

(Ans. N, P.)

Example 3. 2, 7, 14, 23, 34, 47, 62, ..., ..

Explanation. Here, the series is increasing with consecutive number with a difference of two. The difference between the second and first figure is 5. Whereas, the difference between third and second is 7. Similarly, the difference is increasing by 9, 11, 13 and so on. Hence, the missing items are 79 and 98, respectively.

Ans. 79 and 98.

EXERCISE

What comes next in the following series:

1. 7, 20, 58, 171,

(a) 509

(b) 513

(c) 510

(d) None of the above

2. A, B, D, G,

(a) K

(b) L

(c) M

(d) None of the above

3. A, E, I,

(a) M

(b) N

(c) K

(d) L

4. 2, 5, 9, 19, 37,

(a) 55

(b) 63

(c) 73

(d) 75

5. 3, 5, 6, 10, 9, 15, 12,

(a) 16

(c) 20

(b) 18

(d) 24

6. 58, 47, 36, 25, ?

(a) 14

(c) 13

(b) 16

(d) 11

7. AZBBZCCCZDDD ?

(a) Z

(c) D

(b) E

(d) F

Insert the missing figures.

8. 3 11

9 2

5 7

9

5

...

5

6

4

9. 8 13

7 12

10 15

10

9

...

10. B E

E J

J Q

H

O

...

11. A D

D H

H M

G

L

...

12. R O

N J

T O

K

E

...

13. 7 5

4 2

5 3

3

0

...

14. 7 5

4 2

5 8

3

9

...

15. D G

C E

B C

J

G

D

M

I

...



16. 4 9 20
 8 5 14
 10 6 ...

Insert the missing figures in the following sequences:

17. 3, 6, 12, 24, 48, 96, ...
18. 4, 7, 9, 11, 14, 15, 19, ...
19. 15, 7, 30, 14, 60, 28, ...
20. Write the missing figures in the following problem:

$$\begin{array}{r} 5 _ _ \\ - 9 _ _ \\ \hline _ _ 0 \ 8 \\ - 1 \ 2 _ _ \\ \hline _ \ 7 - 8 \end{array}$$



Explanatory Answers

1. (a) 509. Multiply by first term by three and subtract one, multiply second term by 3 and subtract two, multiply third item by 3 and subtract three, multiply fourth by 3 and subtract four and so on.
2. (a) K. First of all, there is the next letter. Then there is a gap of one letter and there is a gap of two letters next, there is a gap of four letters, and so on.
3. (a) M. Each next letter is after leaving the first three letters.
4. (d) 75. Each number is twice of the preceeding one, with one added and subtracted alternately.
5. (c) 20. Alternate figure move with the difference of 3 and 5.
6. (a) 14. Each successive item is decreasing by four.
7. (c) D. The pattern followed in the series is A followed by Z, two times B followed by Z, three times C followed by Z. There should B four times D followed by Z.
8. (8) The sum of the pair in the first coloumn is 14 each, in the second column eleven each and in third column twelve each. Thus, the sum of last pair can be 12 only when we add eight in four.
9. (12) The figure increases from first row to second row by 5 and decreases by 3 in second to third row. Thus, $8 + 5 = 13$, $13 - 3 = 10$. Similarly, $10 + 5 = 15$, $15 - 3 = 12$.

$-3 = 12$

10. (C). The letters skip two alphabet in the first column, four alphabet in the second column and five alphabet in third column. Thus, X is five alphabet away from Q.
11. (R). The letters in third column skip four alphabet. R is four alphabet away from M.
12. (I). The letter skips backward two alphabet and three alphabet in the first column. The letter skips backward three alphabet and four alphabet in the second column. Similarly, in the third column alphabet skip four alphabet and five alphabet. Thus, I is five alphabet away from 'O'.
13. (1). The second row is the half of the sum of the digits of first and third row. Thus $(5 + 1) \div 2 = 3$. The missing figure should be 1.
14. (2). The sum of each column is 15. Thus, the missing figure should be 2.
15. (E). The letter skip two each in first column. The letter skip one in the second column. In the third column, they increase chronologically.
16. (17). Take half the first number in each row, add twice the second number, you will get the third number $5 + 2(6) = 17$.
17. (192) Each successive figure is double than the previous.
18. (19) The alternate items are increasing by the difference of 5 and 4, respectively. Thus, $15 + 4 = 19$.
19. (120) Even and odd items are being doubled in the series.
- 20.

| | | | |
|---|---|---|---|
| | 5 | 1 | 2 |
| | | 1 | 9 |
| 4 | 6 | 0 | 8 |
| 5 | 1 | 2 | |
| 9 | 7 | 2 | 8 |

In the word test, the correct usage of words and intellectual presentation is judged. These types of tests adjudge the idea, memory of the examinees and the power to apply it in the shortest possible time. Various types of tests are available of this kind.

(a) JUMBLED SPELLING TEST

In this type of test, the spellings of the words are mixed up or jumbled up and the examinee is required to put the letters of the words in their correct order. Some examples are as follows:

Example. Rearrange the letter to make a meaningful word:

- (i) BSINOLEPRES (Knowing one's duty)
- (ii) MIAASTRR (A City of India)
- (iii) MERIP (A kind of number)
- (iv) NONGGIPP (An indoor game)

- Ans.** (i) RESPONSIBLE
(ii) AMRITSAR
(iii) PRIME
(iv) PING PONG

EXERCISE

Write the correct words for the following jumbled spelling:

- 1. COYKEH (An outdoor Game)
- 2. DADRRIM (A city of Europe)
- 3. INLRB (A city in Europe)
- 4. EORM (A city in Europe)
- 5. TETLOB (A type of container)
- 6. GRENOA (A name of Fruit)
- 7. BIRBAT (A kind of Animal)
- 8. PEOPIG (A kind of Bird)
- 9. HLAWE (A kind of Fish)
- 10. LTEVCROH (A make of Car)
- 11. LDAGTESON (Name of a Statesman)
- 12. CTORPAI (A name of Fruit)
- 13. WINDRGA (An Art)
- 14. EFLI (A Good)
- 15. ECPRCTAI (A Verb)



16. ETATMESTN (Concerns with Witness)
 17. VERPOT (Status)
 18. GULGEAG (Tour)
 19. RNTAI (Means of Transport)
 20. DWINOW (A Fixture in House)

Rearrange the following spellings so as to make them meaningful words,

21. RMA 22. NIFD 23. TGE 24. UTP
 25. ILHED 26. SKED 27. NPOOS 28. PLEPA
 29. TIFLUEABD 30. WLUNCKO 31. VENRGOENMT
 32. EIGHTH 33. LESPCSETAC

Point out the last letter of the correct words formed by the following jumbled spellings:

34. YNERGAM (Name of a Country)
 (a) E (b) R (c) Y (d) A
 35. SUNIGLES (Concerns with Face)
 (a) U (b) S (c) I (d) E
 36. YALAIMHA (Name of a Mountain)
 (a) Y (b) L (c) A (d) I
 37. ENCOUANNENMT (Proclamation)
 (a) E (b) T (c) A (d) M
 38. PETYREWIT (Helps in writing various pages together)
 (a) P (b) T (c) R (d) E
 39. YCRCDMEO (A type of System)
 (a) A (b) Y (c) O (a) C
 40. LIVETENTAN (A Cadre in Army)
 (a) T (b) E (c) I (d) N



Answers Key

- | | | |
|---------------|---------------|--------------|
| 1. HOCKEY | 2. MADRID | 3. BERLIN |
| 4. ROME | 5. BOTTLE | 6. ORANGE |
| 7. RABBIT | 8. PIGEON | 9. WHALE |
| 10. CHEVROLET | 11. GLADSTONE | 12. APRICOT |
| 13. DRAWING | 14. FILE | 15. PRACTICE |

- | | | |
|----------------------|---------------------|------------------|
| 16. STATEMENT | 17. POVERTY | 18. LUGGAGE |
| 19. TRAIN | 20. WINDOW | 21. ARM |
| 22. FIND | 23. GET | 24. PUT |
| 25. KARACHI | 26. DESK | 27. SPOON |
| 28. APPLE | 29. BEAUTIFUL | 30. LUCKNOW |
| 31. GOVERNMENT | 32. HEIGHT | 33. SPECTACLES |
| 34. (c) GERMANY | 35. (b) UGLINESS | 36. (c) HIMALAYA |
| 37. (b) ANNOUNCEMENT | 38. (c) TYPE WRITER | |
| 39. (b) DEMOCRACY | 40. (a) LIEUTENANT | |

(b) CODING AND DECODING TEST

This test is used in conveying the secret message etc. In this test, messages are conveyed in coded words and later on they are to be decoded in order to get some meaning. The coded values are given according to some set pattern or principle. The patterns are of different types. It is the common sense of the students to know the pattern. Some patterns are given below:

(i) **Example 1.** If EFMIJ stands for DELHI and MPOEPO stands for LONDON, what does NPTDPX stands for?

Explanation. In the above example, each coded word stands for the previous word.

EFMIJ = DELHI

MPOEPO = LONDON

NPTDPX = MOSCOW

Thus, coded word NPTDPX stands for MOSCOW.

(ii) **Example 2.** If ADVANCE in code form stands for NEUTRAL. What will ECAD stands for?

Explanation. Expressing the coded and decoded word as

ADVANCE

NEUTRAL

In the above case, A stands for N, D stands for E, U stands for V. Thus, ECAD stands for

E = L

C = A

A = T or N

D = E

Thus, ECAD stands for LATE or LANE as the appropriate case may be.

(iii) **Example 3.** The word ADOLESCENT stands for 3517298246. Decipher the

following codes;

(a) 5177

(b) 398246

Solution:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A | D | O | L | E | S | C | E | N | T |
| 3 | 5 | 1 | 7 | 2 | 9 | 8 | 2 | 4 | 6 |

5177 = DOLL

398246 = ASCENT

EXERCISE

- If **GOLFER** is coded as **HNMEFQ**, then **HUNGER** will be coded as:

| | |
|------------|------------|
| (a) ITOFFQ | (b) IVOHFS |
| (c) ITODFQ | (d) TIDOQF |
- If **GOLFER** is coded as **TLOUVI**, then **POWER** will be coded as:

| | |
|-----------|-----------|
| (a) MNEVI | (b) FGHVI |
| (c) CLOVI | (d) KLDVI |
- If **GOLFER** is coded as **EOJFCR**, then **STUCK** will be coded as:

| | |
|-----------|-----------|
| (a) UTCWM | (b) UTWCM |
| (c) QTSCI | (d) QTCIS |
- If **GOLFER** is coded as **IRPKKY**, decode of **HRVHK** will be:

| | |
|-----------|-----------|
| (a) FORTS | (b) FORCE |
| (c) FIRST | (d) FEWER |
- If **HIGHLIGHT** is coded as **GJFIKJFIS**, then **LIMELIGHT** will be coded as:

| | |
|---------------|---------------|
| (a) KJKLKJFIS | (b) KLJFKJFIS |
| (c) KJLFKJFIS | (d) JKFLKJFIS |
- If **Selfless** is coded as **SSELFLES**, then **BROKER** written in that code as:

| | |
|------------|------------|
| (a) KERBRO | (b) REBROK |
| (c) RBROKE | (d) ERBKOR |
- If **PEKING** is coded as **ODJHME**, the code for **SIDNEY** is:

| | |
|------------|------------|
| (a) RHCMDX | (b) DINSEY |
| (c) NIDSEY | (d) YENCIS |
- If **RETREAT** is coded as **TGVTGCV**, the decoded for **CFXCPEG** stands for:

| | |
|-------------|-------------|
| (a) ADMARCH | (b) ADVANCE |
| (c) ATTARAT | (d) BATAPUR |

9. If LONDON is coded as MPOERO, then decipher the following coded words:
 (a) QBSJT (b) SPNF
 (c) CFSMJO (d) NPTDXP
10. If FOUR is coded as 1234, FIVE is coded as 1567 and TEN is coded as 879. Then FURNITURE can be coded as:
 (a) 134958347 (b) 125849437
 (c) 124557893 (d) 124958347
11. If LACE is coded as 6543, DEEP is coded as 2338. Encode PALACE.
 (a) 586453 (b) 685534
 (c) 856543 (d) 384556
12. If RANGER is coded as REGNER, then TABLE will be coded as:
 (a) TABLE (b) ELBAT
 (c) TELBET (d) TELBA
13. If LIFE is coded as IFCB, then how will you code MERIT?
 (a) JBQFR (b) JBOFR
 (c) JBOFQ (d) KBQFR
14. If HIGHLIGHT is coded as GJFIKJFIS, then how will you code LIMELIGHT?
 (a) KJFLKJFIS (b) KLJFKJSIS
 (c) KJLFKJFIS (d) JKFLKJFIS
15. If ADOLESCENT is coded as 3517298246, then 398246 is decoded as:
 (a) ASCENT (b) ASTENT
 (c) ABSENT (d) ABODEE
16. If GLAD is coded as INCF, how will STRANGE be coded?
17. If BRAVO is coded as CSBWP, how will BEAUTIFUL will be coded?
18. If PLAN means ABCD, LAND means BCDN, SPAN means MACD, what does NASAL means?
19. If TORCH means RMPAF, what does TROPHY mean?
20. If AB means 48, BC means 89, CD means 93, DE means 35. What does BCED stand for?



Explanatory Answers

1. (a) ITOFFQ. To code the word, its letters in the odd places are moved one letter forward, while those in the even places are moved one step backward.

2. (d) KLDVIG. Seventh letter from the beginning of the alphabet has been changed with seventh letter from the last letter of alphabet. Similarly, fifteenth letter from the first is changed with the fifteenth letter from the last alphabets and so on.
3. (c) QTSCI. The letters in the odd positions have been changed two places back in the alphabet whereas the even letters remains unaltered.
4. (b) FORCE. In coding, the letters have moved two places, three places, four places and so forth. So, in decoding, we must go backward two places, three places, four places and so forth.
5. (c) KJLFKJFIS. Even letters have been coded as one stage ahead whereas the odd letters have been coded as one stage backward.
6. (c) RBROKE. The last letter has been transposed before the first letter.
7. (a) RHCMDX. The code is formed by going one letter back in the case of every letter of the word.
8. (b) ADVANCE. The code is formed by skipping over one letter forward and taking the next English alphabet.
9. (a) PARIS (b) ROME
(c) BERLIN (d) MOSCOW

In decoding, write the letter ahead before the coded word we get above mentioned decoded word.

10. (a) FURNITURE is coded as 134958347.
11. (c) PALACE is coded as 856543.
12. (b) The letters are reversed.
13. (c) Letters are coded preceded by two steps.
14. (c) Letters are coded by taking preceding letters of the alphabet for first, third, fifth, seventh and ninth letters of the original word and succeeding letters for second, fourth, sixth and eighth letters of the original words.
15. (a) 16. UVTCPIG 17. CFBVUJGVM
18. DCMCB 19. RPMNEW 20. 8953

(c) ALPHABETICAL TEST

In this test, questions are asked on the location and occurrence of the each alphabet.

Example 1: Write down the 10th letter of the alphabet.

Explanation: ABCDEFGHIJKLMNOPQRSTUVWXYZ.

Answer: The 10th letter of alphabet is 'J'.

Example 2: Write down the 5th letter after L.

Answer: Q.

EXERCISE

1. ASRQRPRQNRNQRSRQRQS

How many Q's are preceded by and succeeded by R?

- (a) One (b) Two (c) Three (d) Four

2. Point out the fourth consonant after third vowel in the alphabets:

- (a) M (b) N (c) L (d) K

3. Which letter is seven letters ahead of the letter which follows fourth letter from the right?

- (a) J (b) O (c) N (d) H

4. Which letter is in the middle of the two letters—one is second from 'J' in the right side and the other is third from 'Q' in the left side?

- (a) M (b) L (c) N (d) E

5. Which letter is three letters ahead of the letter which follows 'A' and precedes 'C'?

- (a) E (b) D (c) F (d) G

6. Which letter precedes the letter which is 13th from D?

- (a) P (b) R (c) Q (d) S

7. The total number of letters in between the two pairs of vowel 'EO' and 'OO' are:

- (a) 9 (b) 12 (c) 10 (d) 11

8. Find the letter which is as far behind N in the alphabet as first E is behind the second S in the word.

EXCOMMUNICATE

- (a) A (b) B (c) C (d) Z

9. Find the letter which is as far ahead of M in the alphabet as the first O is behind the second E in the word.

LABORIOUS

- (a) R (b) H (c) Q (d) O



Answers Key

| | | | | | | | | | |
|----|-----|----|-----|----|-----|----|-----|----|-----|
| 1. | (b) | 2. | (a) | 3. | (c) | 4. | (a) | 5. | (b) |
| 6. | (a) | 7. | (c) | 8. | (b) | 9. | (a) | | |

(d) WORD BUILDING TEST

This test examines the word building capacity and vocabulary of the candidate. In this test, candidates are required to form new words by suffixing or prefixing new letters or taking off from or adding new letters to the body of given words.

Example: Think of a single letter, which when suffixed to the following words, to form new words

NAM, HAT, BORN, HID

Explanation: A careful observation of these words suggest that if we suffix the letter 'E' to given words, we can find new words as:

NAM, HAT, BORN, HID
NAME, HATE, BORNE, HIDE

Example: Think of a letter, which if replaces 'E' in the following, words form new words:

BED, HERD, MET, SET

Explanation: If letter 'E' is replaced with 'A' the new words become:

BAD, HARD, MAT, SAT.

Exercise:

Insert the word that completes the first word and starts the second:

| | |
|----------------------------|-------------------------------|
| 1. PR (.....) UAL | 2. PRO (.....) ILE |
| 3. A (.....) SAY | 4. HAND (.....) WHAT |
| 5. ARM (.....) TUCE | 6. TR (.....) IVE |
| 7. PAPER (.....) LIFTER | 8. HAND (.....) TURN |
| 9. STRAP (.....) ORCHESTRA | 10. OVER (.....) OVER |
| 11. CH (.....) HEM | 12. GRO (.....) PER |
| 13. BAR (.....) SAY | 14. LIGHT (.....) COMPETITION |
| 15. DE (.....) ROY | 16. INDIVI (.....) ISM |

Substitute the words in the first brackets by the appropriate word.

| | |
|---|----------------------------------|
| 17. D + (sheep) = (a small draught of spirit) | 18. P + (a passage) = (Smooth) |
| 19. S + (Piece of furniture) = Building | 20. G + (a Cereal) = (an animal) |



Answers Key

| | | | | | | | |
|-----|----------------|-----|-------|-----|--------------|-----|------|
| 1. | EVENT | 2. | DUCT | 3. | GAIN | 4. | SOME |
| 5. | LET | 6. | ACT | 7. | WEIGHT | 8. | OVER |
| 9. | BAND | 10. | TAKE | 11. | ANT | 12. | UP |
| 13. | BAR | 14. | MUSIC | 15. | VICE | 16. | DUAL |
| 17. | RAM : DRAM | | | 18. | LANE : PLANE | | |
| 19. | TABLE : STABLE | | | 20. | OAT : GOAT | | |

(e) ARRANGEMENT OF WORDS IN ACCORDANCE WITH DICTIONARY.

In this type of test, the words are given in a disorderly manner, they have to be arranged as in dictionary. This is a time-consuming test. May be given last priority in the examination.

Example: If the following names were arranged as in a dictionary, which would be third?

- (a) Sidheswar (b) Sideswar
(c) Siddheswar (d) Sidheswer (e) Sidhaswar

Solution: Arranging the words in accordance with the dictionary arrangement.

- (a) Siddheswar (b) Sideswar
(c) Sidhaswer (d) Sidheswar (e) Sidheswer

Thus, item (e) is third in the arrangement.

EXERCISE

1. If the following words are arranged as in dictionary. which word would be third?

- (a) SUNITI (b) SUNEETHY
(c) SUNEETI (d) SUNITHY
(e) SUNEETTI (f) SUNITY

Arrange the following words in alphabetical order:

2. Ten, Mask, Odour, Each, Order.
3. Engagement, Eloquence, Election, Enter, Examination.
4. Shake, Snow, Snore, Sheep, Sane, Sleep, Swim, Shine, Shone.

5. Mohsin, Saeed, Ashiq, Rafi, Yousaf, Suhail, Arif, Yameen.
6. A.P. Sharif, A.S. Sharif, A.D. Sharif, M.N. Sharif, M.A. Sharif, M.D. Sharif, M.M. Sharif.
7. Include, Increase, Index, Incubate, Incredible, Individual.
8. Salt, Sanction, Salon, Salute, Saloon, Sample, Salvage.
9. Terrible, Tenor, Termite, Tenure, Tense, Term, Tentative.
10. Dismantle, Dishevelled, Disorder, Dislocate, Disincline, Dishonour, Disinfect.



Answers Key

1. (c)
2. Each, Mask, Odour, Order, Ten.
3. Election, Eloquence, Engagement, Enter, Examination.
4. Save, Shake, Sheep, Shine, Shone, Sleep, Snore, Swim.
5. Arif, Ashiq, Mohsin, Rafi, Saeed, Suhail, Yameen, Yousaf.
6. A.D. Sharif, A.P. Sharif, A.S. Sharif, M.A. Sharif, M.D. Sharif, M.M. Sharif, M.N. Sharif.
7. Include, Increase, Incredible, Incubate, Index, Individual.
8. Salon, Saloon, Salt, Salute, Salvage, Sample, Sanction.
9. Tenor, Tense, Tentative, Tenure, Term, Termite, Terrible.
10. Dishevelled, Dishonour, Disincline, Disinfect, Dislocate, Dismantle, Disorder.

(f) SENTENCES FORMATION TEST

In this test, the words of a sentence are jumbled up and a candidate is required to rearrange them in order to make it more sensible sentence.

Example: (i) Oil and mix not water will

(ii) In the lives service our us of let our Nation dedicate

(iii) Bud must the be in nipped evil the

(iv) Ancient to story the loved mariner adventurous narrate his of life

Answer: (i) Water and oil will not mix.

(ii) Let us dedicate our lives for the service of our Nation.

(iii) The evil must be nipped in the bud.

(iv) Ancient Mariner loved to narrate the story of his adventurous life.

EXERCISE

In the following sentences, the words are jumbled up. Arrange these words in order to make the sentences more sensible :

1. The Punjab of Bulleh Shah was Shakespeare.
2. Asian Country while is a Poland is a Pakistan European country.
3. Azad was written, Dr. Mohammad Iqbal a great Pakistani epic.
4. First Prime Minister of Pakistan was the Liaquat Ali Khan.
5. Completely by enthralled beauty the she was of the music.
6. Lives service of our us country let so the our dedicate.
7. Professions of teaching of the noblest.
8. Pakistan there of scarcity of scientists in is a.
9. The economy of Pakistan's is backbone agriculture.
10. What is the sun of the diameter approximate.
11. Science electric wonderful lamp of invention a is.
12. A thinking clear necessary in writing for meaningful story.
13. Workshop hard work and made him honesty capable of a small setting up of own his.
14. Young orchestra an Arif joined house and the left.
15. Divers such depths really reach the can?
16. Still base the rocket the of is away moon from the turned.
17. Glorious innumerable stars glittering was it night a with in the sky.
18. Certainly point strong this favour was its a in.
19. World memories of the lower minds felt would now and then across their.
20. Pakistan modern is known M.A. Jinnah as architect of.



Answers Key

1. Bulleh Shah was the Shakespeare of Punjab.
2. Poland is a European country while Pakistan is an Asian country.
3. Dr. Mohammad Iqbal, a great Pakistani epic, was written, by Azad.
4. Liaquat Ali Khan was the first Prime Minister of Pakistan.
5. She was completely enthralled by the beauty of the music.
6. Let us dedicate our lives to the service of our country.
7. Teaching is the noblest of all the professions.

8. There is a scarcity of scientists in Pakistan.
9. What is the approximate diameter of the Sun?
10. Agriculture is the backbone of Pakistan's economy.
11. Electric lamp is a wonderful invention of science.
12. A clear thinking is necessary for writing a meaningful story.
13. Hardwork and honesty made him capable of setting up a small workshop of his own.
14. Young Arif left the house and joined an orchestra.
15. Can the divers really reach such depths?
16. The base of the rocket is still turned away from the moon.
17. It was a glorious night with innumerable stars glittering in the sky.
18. This certainly was a strong point in his favour.
19. Now and then memories of the lower world would flit across their minds.
20. M.A. Jinnah is known as the architect of modern Pakistan.

(g) SELECTION OF AN APPROPRIATE WORD

In this type, a candidate has to select an appropriate word from the choices to fill the blank.

Example: He was of all the valuable possessions.

- (a) robbed (b) stolen (c) pinched

Answer: Stolen and pinched cannot be used for man so the correct choice is robbed.

Thus

He was robbed of all the valuable possessions.

EXERCISE

1. The essay contained so much of material that it was difficult to comprehend the author's message.
(a) platitude (b) superficial (c) extraneous (d) illustrative
2. there were 50 delegates present in the meeting.
(a) Altogether (b) All together (c) Strictly (d) Presently
3. There was utter consequent the formation of a coalition government.
(a) Chaos, for (b) confusion, to
(c) disturbance, for (d) confusion, on
4. Though he had considerable influence the Prime Minister, nobody was satisfied the truth of what he said.
(a) over, with (b) with, of
(c) on, about (d) None of the above



5. She's so terribly cruel her dog.
(a) towards (b) to (c) with (d) for
6. They have already been in the space Tuesday.
(a) since (b) till (c) for (d) from
7. When you have lunch at a restaurant, who pays the bill?
(a) on (b) for (c) made (d) to
8. I want two seats *Romeo and Juliet* for Friday evening.
(a) at (b) in (c) for (d) of
9. On Republic Day, V.I.P's received treatment.
(a) selective (b) qualified (c) preferential (d) important
10. The League Government has every intention of its election pledges.
(a) implementing (b) fulfilling (c) displacing (d) Honouring
11. The opposition tried to have the proposed law but were defeated by the government.
(a) amplified (b) amended (c) subscribed (d) amassed
12. Politicians know how to public opinion.
(a) flatter (b) evade (c) manipulate (d) jostle
13. Cigarette smoking is one of the main cause of bronchitis.
(a) fatal (b) grave (c) serious (d) chronic
14. I found the film so that I went to see it twice.
(a) disgusting (b) nice (c) overwhelming (d) absorbed
15. A edition of the poet's work is to be published.
(a) short (b) defunct (c) definitive (d) defiant
16. Certain politicians of Sri Lanka believe immigrants should be
(a) repayed (b) repatriated (c) colonized (d) abdicated
17. The crime was during the night.
(a) performed (b) done (c) celebrated (d) committed
18. The doctor him an ointment to rub on the affected part.
(a) advised (b) prescribed (c) suggested (d) wrote
19. The drunkard out on the roadside.
(a) staggered (b) move (c) strolled (d) wandered

| | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 5. | (b) | 6. | (a) | 7. | (b) | 8. | (c) |
| 9. | (c) | 10. | (a) | 11. | (b) | 12. | (c) |
| 13. | (d) | 14. | (c) | 15. | (b) | 16. | (b) |
| 17. | (d) | 18. | (b) | 19. | (a) | | |

(h) ODD-MAN OUT TEST

In this type of question, few words are given, out of them one may not belonging to the group of other words, or sometimes two words are antonym or synonym to each other. The candidate has to locate those words. For example:

Example: (a) Fruit (b) Vegetable
(c) Cereals (d) Sky

In the above example, Fruit, Vegetable and Cereals are consumable items whereas Sky is an odd — man. Thus, the answer is (d).

EXERCISE

Indicate the odd word out in each of the following group:

- (a) Delusion (b) Illusion (c) Eflusion (d) Fancy
- (a) Effort (b) Endeavour (c) Essay (d) Benefit
- (a) Integrity (b) Integration (c) Sincerity (d) Rectitude
- (a) Latent (b) Lament (c) Bewail (d) Mourn
- (a) Malevolent (b) Magnanimous (c) Malignant (d) Malicious
- (a) Club (b) Crayon (c) Pen (d) Pencil
- (a) Joy (b) Love (c) Hate (d) Gate
- (a) Tiger (b) Table (c) Chair (d) Bench
- (a) Apple (b) Banana (c) Carrot (d) Date
- (a) Tailor (b) Barber (c) Carpenter (d) Dog
- (a) Albatross (b) Bear (c) Cat (d) Dog
- (a) Autorickshaw (b) Sleigh (c) Cart (d) Bicycle
- (a) Head (b) Body (c) Nose (d) Hand

14. (a) Indigo (b) Black (c) White (d) Pimple
 15. (a) Chair (b) Bench (c) House (d) Sofa
 16. (a) Toy (b) Rig (c) Bull (d) Fish
 17. (a) Opposite (b) Back (c) Right (d) Above
 18. (a) Mica (b) Bird (c) Pair (d) Desk
 19. (a) Jupiter (b) Mass (c) Neptune (d) Pluto
 20. (a) Pakistan (b) London (c) Washington (d) New York
 21. (a) Poland (b) Germany (c) Holland (d) Pakistan
 22. (a) Buffalo (b) Cow (c) Goat (d) Bitch
 23. (a) Keat (b) Shelley (c) Wordsworth (d) Bernard Shaw
 24. (a) Gun (b) Pistol (c) Dagger (d) Bomb
 25. (a) Paradise Lost (b) Bible (c) Geeta (d) Quran
 26. (a) House (b) Igloo (c) Hut (d) Office
 27. (a) Herring (b) Whole (c) Shark (d) Cod
 28. (a) Chariot (b) Car (c) Bus (d) Sleigh
 29. (a) August (b) September (c) October (d) November
 30. (a) Benevolence (b) Kindness (c) Affection (d) Hatred



Answers Key

| | | | | | | | | | |
|-----|---|-----|---|-----|---|-----|---|-----|---|
| 1. | c | 2. | d | 3. | b | 4. | a | 5. | b |
| 6. | a | 7. | d | 8. | a | 9. | c | 10. | d |
| 11. | a | 12. | b | 13. | b | 14. | d | 15. | c |
| 16. | a | 17. | d | 18. | c | 19. | b | 20. | c |
| 21. | d | 22. | d | 23. | d | 24. | c | 25. | a |
| 26. | d | 27. | b | 28. | d | 29. | a | 30. | d |

(i) WORD COMPLETION TEST

In this test, some letters of a word are given and other are missing. The meaning of the word is given, the candidate is asked to complete the word with appropriate letters.

Example

P - D - ST - IAN

One who walks on foot

r: 'One who walks on foot' is known as Pedestrian. Thus, the missing letters
are

E, E, R

RCISE

- | | |
|-------------------|---------------------------------------|
| 1. -xp-r- | (Sending of goods to other countries) |
| 2. -sy-h-l-g- | (Science of studying human mind) |
| 3. -e-o-c-a-y | (A form of government) |
| 4. --t-ll-ge-n-ia | (A noun of intelligence) |
| 5. P-r-ie- | (Range of operation) |
| 6. -e-t | (A place to sit) |
| 7. V-r-ac-l-r | (A language) |
| 8. Pu-c-ua-e | (A sign used in writing) |
| 9. p-d-st-ian | (one who walks on foot) |
| 10. G-g-n-ic | (Of very small size) |

ANSWERS

- | | | |
|------------------|---------------|---------------|
| 1. Export | 2. Psychology | 3. Democracy |
| 4. Intelligentia | 5. Purview | 6. Seat |
| 7. Vernacular | 8. Punctuate | 9. Pedestrian |
| | | 10. Gigantic |

In this type of test, the mathematical signs are used in the question, which, otherwise, are misleading. They carry values other than what they normally represent.

Example:

Which number will come into the place of question mark in the following series?

$$8 \times 4 = 42$$

$$6 \times 6 = 33$$

$$2 \times 2 = 11$$

$$4 \times 6 = 23$$

$$2 \times 8 = ?$$

(a) 13

(b) 14

(c) 15

(d) 16

Explanation:

If we look at the example carefully, we find that the identity is half of the figure given in the question without any sign. The half of 8 is 4 and the half of 4 is 2. Thus $8 \times 4 = 42$. Similarly,

$2 \times 8 = 14$. Hence, (b) is correct.

Exercise

1. If 'x' means minus, '÷' means multiplication, '-' means plus and '+' means divided by ; then

$$16 \div 8 \times 4 - 8 + 4 = ?$$

(a) 170

(b) 184

(c) 126

(d) 156

2. If $36 \times 61 = 6631$;

$$43 \times 40 = 3440$$

$$69 \times 83 = 9863$$

Then $27 \times 86 = ?$

(a) 3276

(b) 3726

(c) 7623

(d) 7326

Insert the number missing from the Brackets

3. $463 (704) 815$

$$572 () 726$$

4. $258 (60) 852$

$$534 () 689$$

5. $34 = 916$; $23 = 49$ $15 = ?$

6. $12 + 9 = 1084$; $11 + 8 = 884$

$$14 + 7 = 984$$
 ; $15 + 6 = ?$

7. $27 - 9 - 3$ $125 - 25 - ()$

8. $351 (126) 419$ $439 () 816$

9. $121 (1034) 396$ $501 () 112$

10. $16 (93) 15$ $14 () 12$

11. $754 (111) 421$ $730 () 427$

12. Place arithmetical signs in the following:

(a) $2, 6, 5 = 17$ (b) $1, 8, 9 = 81$ (c) $5, 4, 9 = 10$ (d) $8, 5, 9 = 31$

13. If $3 = 0, 4 = 4, 5 = 10, 6 = 18$, then $7 = ?$
 (a) 24 (b) 28 (c) 21 (d) 42
14. If $8 \times 4 = 42, 6 \times 6 = 33, 2 \times 2 = 11, 4 \times 6 = 23$, then $2 \times 8 = ?$
 (a) 14 (b) 16 (c) 26 (d) 50
15. Insert the sign '+' and '-' to get the desired results.
 (a) $3^2 \dots 1 \dots 4 = 12$ (b) $2 \dots 5^2 \dots 2^3 = 19$
 (c) $\frac{1}{2} \dots 3 \frac{1}{2} \dots 4^2 = 5^2 \dots 6 - 1$ (d) $3 \dots 5 \frac{1}{2} \dots 1 \frac{1}{2} = 2^3 \dots 1$

In the following questions, answer is calculated by

(Number)² + the preceding number

Find the original number by making an appropriate choice.

16. 181
 (a) 20 (b) 13 (c) 10 (d) 9
17. 419
 (a) 21 (b) 18 (c) 20 (d) 19
18. 991
 (a) 17 (b) 28 (c) 31 (d) 35
19. 239
 (a) 15 (b) 19 (c) 14 (d) 13
20. 1259
 (a) 34 (b) 35 (c) 39 (d) 27



Explanatory Answers

1. (c)
2. (a) The digits are placed as :
 Second digit of the first number and first digit of second number, the first digit of the second number and second digit of the second number are put to form the requisite number.
3. 308. The number in the bracket is twice the difference between the numbers outside the brackets.
4. 70. The number in the bracket is twice sum of the digits outside the brackets.
5. 125. It is the square of the individual digit in a composite form is

$$34 = 3^2 \cdot 4^2 = 916$$

6. 904. It is the product of both the numbers and adding 4 in the last *i.e.* $12 + 9 = 1084$.
7. 5. The number in bracket is the quotient of first two numbers.
8. 240. The number in bracket is the product of the sum of the digits outside brackets.
9. 1226. The number in the bracket is the double of the sum figure outside brackets.
10. 78. The number in the bracket is three times the sum of the figures outside the bracket.
11. 101. The number in the bracket is one-third of the difference between the figures outside the bracket.
12. (a) $2 \times 6 + 5 = 17$ (b) $1 + 8 \times 9 = 81$
(c) $5 + 4 - 9 = 0$ (d) $8 \times 5 - 9 = 31$
13. (b) Each time one is added in multiplication, *i.e.*,
 $3 \times 0 = 0, 4 \times 1 = 4, 5 \times 2 = 10, 6 \times 3 = 18$, therefore $7 \times 4 = 28$
14. (a) The digits are halves and then multiply together.
15. (a) $3^2 - 1 + 4 = 12$ (b) $2 + 5^2 - 2^3 = 19$
(c) $\frac{1}{2} + 3\frac{1}{2} + 4^2 = 5^2 - 6 + 1$ (d) $3 + 5\frac{1}{2} - 1\frac{1}{2} = 2^2 - 1$
16. $181 = 13^2 + 12$
17. $419 = 20^2 + 19$
18. $991 = 31^3 + 30$
19. $239 = 15^2 + 14$
20. $1259 = 35^2 + 34$

In this type of test, candidate is required to answer a question after reading two sentences, each sentence is a statement that contains some information or fact. The candidate is to ascertain whether the question asked can be answered by (i) either the statement, or (ii) one of the statement alone is enough and the other statement would not be enough, or (iii) both the statements are necessary *i.e.*, either of them alone not being enough, or (iv) both statements even together do not give adequate information.

Example: Below a question is followed by two statements. Decide whether the information giving with the statements is sufficient for answering the question. Sometimes, both the statements do not give enough information to answer the question and sometimes one of the statement is sufficient to answer the question.

Direction: Mark 'a', if the first statement alone is sufficient to answer the question but the 2nd statement is not enough. Mark 'b', if the 2nd statement alone is sufficient to answer the question. Whereas, statement 1st is insufficient. Mark 'c', if both the statements are needed to answer. But neither statement is sufficient to answer. Mark 'd', if either statement by itself is sufficient to answer the question. Mark 'e', if not enough facts are given to answer the questions.

Q. When did the murder occurred in the house?

Statement-1. The murder took place 2 hours after the clock struck 12 at midnight.

Statement-2. The murder took place 2 hours before 4 a.m.

- (a) ☐ (b) ☐ (c) ☐ (d) ☐ (e) ☐

Ans. (d) In this question, both the statements were exclusive enough to answer the question. From the 1st statement as well as from the 2nd statement, it was clear that the theft was committed at 2 a.m.

EXERCISE

1. How many runs did Sarfraz score in the cricket match?

(i) Sarfraz scored 12 runs more than Clive Lloyd.

(ii) Clive Lloyd scored just century.

- (a) ☐ (b) ☐ (c) ☐ (d) ☐ (e) ☐

2. How many students were there in the hall?

(i) There were 210 boys in the Hall.

(ii) 30% of those in the Hall were girls.

- (a) ☐ (b) ☐ (c) ☐ (d) ☐ (e) ☐

3. How many students were there in the class?
 (i) 70% of the students were boys and rest girls.
 (ii) There were 60 girls in the class.
 (a) ☐ (b) ☐ (c) ☐ (d) ☐ (e) ☐
4. How many countries participated in CHOGH-1983?
 (i) More than 100 countries participated.
 (ii) Less than 120 countries participated.
 (a) ☐ (b) ☐ (c) ☐ (d) ☐ (e) ☐
5. Which country did Pope Paul II belonged to?
 (i) Pope Paul II belonged to a country whose capital is Warsaw.
 (ii) Pope Paul II belonged to a country of Europe.
 (a) ☐ (b) ☐ (c) ☐ (d) ☐ (e) ☐
6. How many Zaireens went to Mizar of Mian Mir Sahib?
 (i) Last year 5,000 Zaireens went to Mizar of Mian Mir Sahib.
 (ii) This year there was a 10% increase over the number went last year.
 (a) ☐ (b) ☐ (c) ☐ (d) ☐ (e) ☐
7. Was Sultan Tippu a greatest Warrior of Ancient India?
 (i) Sultan Tippu was the famous Warrior of India.
 (ii) Sultan Tippu was contemporary to Akbar.
 (a) ☐ (b) ☐ (c) ☐ (d) ☐ (e) ☐
8. What is the time by the clock on wall?
 (i) The minute hand is at 6.
 (ii) The hour hand is midway between 8 and 9.
 (a) ☐ (b) ☐ (c) ☐ (d) ☐ (e) ☐
9. What is the distance between A and B?
 (i) C is midway between A and B.
 (ii) The distance between A and C is 4 cms.
 (a) ☐ (b) ☐ (c) ☐ (d) ☐ (e) ☐
10. Are the two triangles congruent?
 (i) They are both equilateral triangles.
 (ii) They both have equal bases and equal heights.
 (a) ☐ (b) ☐ (c) ☐ (d) ☐ (e) ☐
11. Is 'A' less than 'B' ?
 (i) $A^2 = 25$ (ii) $B = 6$
 (a) ☐ (b) ☐ (c) ☐ (d) ☐ (e) ☐



12. What is the non-voting population of Rohri ?

(i) Adults over 21 years of age are permitted to vote.

(ii) The population of Rohri is over 66 lac.

(a) ☐

(b) ☐

(c) ☐

(d) ☐

(e) ☐

13. Is Rafiq older than Rafi ?

(i) Rafiq's elder brother and Rafi's elder brother were classmate.

(ii) Rafiq was married in the same year when Rafi was married.

(a) ☐

(b) ☐

(c) ☐

(d) ☐

(e) ☐

ANSWERS

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|
| 1. | (c) | 2. | (c) | 3. | (c) | 4. | (e) | 5. | (a) |
| 6. | (c) | 7. | (a) | 8. | (c) | 9. | (c) | 10. | (d) |
| 11. | (c) | 12. | (e) | 13. | (e) | | | | |

Ratta.pk

8. Test of Reasoning

Direction : In the following statements, a situation is explained in a few sentences, followed by a conclusion. You have to say whether:

- (a) Conclusion necessarily follows from statements.
- (b) Conclusion is only a long drawn one.
- (c) Conclusion definitely does not follow from the statements.
- (d) Conclusion drawn is doubtful.

Statements : 1

- 1. Students who work regularly pass the examination.
- 2. Students who work hard also, do pass the examination.
- 3. Sikandar worked regularly.
- 4. Waheed worked hard.

Conclusion :

- Both must have passed the examination.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 2

- 1. Mammals suckle their young ones.
- 2. Rabbit suckles its young ones.

Conclusion :

- Rabbit is a mammal.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 3

- 1. People living in cold countries generally have white complexion.
- 2. Canada is a cold country.

Conclusion :

- All Canadians have white complexion.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 4

- 1. Metals are generally malleable and ductile.
- 2. This substance 'X' is neither malleable nor ductile.

Conclusion :

- So 'X' is not a metal.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 5

1. In summer the nights are generally cool and the days are hot.
2. June is a hot month.

Conclusion :

- On the 22nd of June, the night will be cool.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 6

1. Early rising is a good for health.
2. Muneer generally rises early in the morning.

Conclusion :

- Therefore, Muneer has good health.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 7

1. Mental troubles increase during hot season.
2. Months of May and June are very hot.

Conclusion :

- The number of mental cases is more during May and June than in other months.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 8

1. Clouds are formed in the higher regions.
2. Mountains are high.

Conclusion :

- Therefore there is more rain on the mountains.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 9

1. Oxygen is found in the air.
2. Things burn in the air.
3. Nitrogen forms fourth fifth of the air.

Conclusion :

- Therefore oxygen helps in burning of things.

(a) ☐ (b) ☐ (c) ☐ (d) ☐



Statements : 10

1. Rahim is taller than Rafi.
2. Rafi is shorter than Mohsin.
3. Mohsin is taller than Rahim.

Conclusion :

- Therefore Mohsin is the tallest of all.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 11

1. X is east of Y.
2. Y is north of Z.

Conclusion :

- Therefore X is exactly east of Z.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 12

1. B is standing behind A.
2. D is standing behind B.
3. C is standing behind D.

Conclusion :

- A is standing in front and C is standing behind all.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 13

1. The sum of the angles of a triangle is 180 degrees.
2. The sum of the angles of a rectangle is 360 degrees.

Conclusion :

- Therefore the sum of the angles of a pentagon is 470 degrees.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 14

1. Four and Four make nine.
2. Five and Five make eleven.

Conclusion :

- Therefore four and five make twelve.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 15

1. One should not have more than two or three children.
2. He has three children.

Conclusion :

- He is, therefore, very rich.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 16

1. Laziness is a bad habit.
2. Very rich people are generally lazy.

Conclusion :

- Richness is not desirable.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 17

1. Solids expand on heating.
2. Gases expand more than solids.

Conclusion :

- That is why a toy balloon filled with air bursts on heating.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 18

1. Generally the birds fly in the air in the morning.
2. Generally monkeys jump about in the trees in the morning.

Conclusion :

- Therefore elephants roam in the jungle in the morning.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 19

1. Every bottle with a red label contains fruit squash.
2. Fruit squash is safe to drink.

Conclusion :

- It is safe to drink from every bottle with a red label.

(a) ☐ (b) ☐ (c) ☐ (d) ☐



Statements : 20

This bottle has a yellow label and contains lemonade, and its contents are good to drink.

Conclusion :

- That bottle has a yellow label too so its contents are good to drink.
- (a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 21

1. Al-ghadid is an African.
2. All Africans have curly hairs.

Conclusion :

- Al-ghadid has curly hair.
- (a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 22

1. This is No. 11 bus.
2. Bus No. 11 go to Mughalpura.

Conclusion :

- Therefore this bus goes to Mughalpura.
- (a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 23

1. Fish have cold blood.
2. Rabbits have warm blood are good to eat.

Conclusion :

- Therefore Fish are not good to eat.
- (a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 24

1. December is a winter month.
2. Winter months are cold.

Conclusion :

- December is cold.
- (a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 25

1. Murder is a crime.
2. Anis has committed a crime.

Conclusion :

- Anis is a murderer.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 26

1. Salt has a bitter taste.
2. My medicine has a bitter taste.

Conclusion :

- My medicine has salt in it.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 27

1. I know a University professor.
2. He has a beard.

Conclusion :

- All University professors have beards.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 28

1. Mice eat cheese.
2. Cheese is used in omelettes.

Conclusion :

- Therefore Mice can make omelettes.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 29

1. Bow Bells are in Bow Church.
2. Bow Church is in London.

Conclusion :

- Therefore Bow Bells are in London.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 30

1. Water freezes at 0°C .
2. This liquid freezes at 0°C .

Conclusion :

- Therefore the liquid is water.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 31

1. Nasim is a seamstress.
2. Seamstress makes dresses.

Conclusion :

- Nasim makes dress.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 32

1. Jahanghir's Tomb is in Lahore.
2. Lahore is in Pakistan.

Conclusion :

- Jahanghir's Tomb is in Pakistan.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 33

1. Anwar is a footballer.
2. Footballers are athletes.

Conclusion :

- Anwar is an athlete.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 34

1. Water is liquid.
2. Rice is of the colour of water.

Conclusion :

- Rice is water.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 35

1. This is a moth.
2. Some moths are yellow.

Conclusion :

- This moth is yellow.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 36

1. Robert is a motor-cyclist.
2. Some motor-cyclists are girls.

Conclusion :

- Robert is a girl.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 37

1. Oxygen is a gas.
2. This cylinder contains gas.

Conclusion :

- This cylinder contains oxygen.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 38

1. Caffeine is a drug.
2. Coffee contains caffeine.

Conclusion :

- Coffee contains a drug.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 39

1. The neighbour's dog barks.
2. A barking dog keeps us awake.

Conclusion :

- The neighbour is responsible.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 40

1. Mario is an Italian.
2. Mario sing beautifully.

Conclusion :

- Italians sing beautifully.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 41

1. Honesty is important for success.



2. Hard work leads to success.

Conclusion :

- A successful person must be honest as well as hardworking.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 42

1. Poets are very emotional.
2. Scientists are very rational.

Conclusion :

- So, a scientist cannot be a poet.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 43

1. Proteins are an essential constituents of food.
2. Meat contains proteins.

Conclusion :

- Therefore meat is an essential part of diet.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 44

1. Honesty pays in the long run.
2. Faithfulness is a good quality.

Conclusion :

- Honest people are always faithful.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 45

1. Those who work hard must succeed.
2. Sikandar is working hard for his examination.

Conclusion :

- Sikandar must succeed in the examination.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 46

1. Green colouring matter in the leaves is called chlorophyll.
2. Chlorophyll changes carbon dioxide into oxygen in the presence of sunlight.



Conclusion :

- During sunlight green plants enrich the air with oxygen.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 47

1. The higher we go, the cooler we feel.
2. The pressure of the air goes decreasing as we ascend higher and higher.

Conclusion :

- Lower the pressure of the air, the cooler we feel.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 48

1. Most of the children of Nursery class sleep during rest hour.
2. Muneer is a child of Nursery class.

Conclusion :

- Muneer must be sleeping during the rest hour.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 49

1. Most of the politicians are well versed in the interpretation of the constitution.
2. Mohsin is a politician.

Conclusion :

- So Mohsin knows all about the constitution.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

Statements : 50

1. Children of the criminals are generally criminal.
2. Gohar and Mohsin are the sons of a thief.

Conclusion :

- Therefore both are criminal.

(a) ☐ (b) ☐ (c) ☐ (d) ☐

1. (d) We are not given whether Sikandar worked hard also and Waheed worked regularly as well. So we cannot be sure of their success.
2. (a) The conclusion does follow from the two given statements.
3. (d) The conclusion drawn is doubtful because the word "generally" allows some scope for Canadians not to have white complexion.
4. (d) The conclusion drawn is doubtful because the word 'generally' allows some scope for metals not necessarily to have these properties.
5. (d) The conclusion drawn is doubtful because the word 'generally' in the first statement makes the conclusion doubtful.
6. (d) The word 'generally' in the second statement makes the conclusion doubtful.
7. (a) The two statements directly lead to the same conclusion.
8. (b) The conclusion is a long drawn one. There is a positive relationship between the clouds and rain is not indicated by any given statement.
9. (c) Nowhere in the statements there is an indication that oxygen helps in burning.
10. (a) Mohsin evidently surpasses all in height.
11. (d) X cannot be exactly east of Z.
12. (a) The conclusion necessarily comes from the statements.
13. (c) The conclusion cannot be explained in term of the given statement.
14. (c) Conclusion is wrong.
15. (c) Conclusion has no relevance to the statements given.
16. (d) From the general statement to draw such a conclusion about richness is doubtful.
17. (a) Since gases expand more than solids, so the toy balloon bursts.
18. (b) Nothing has been said about elephants in the statement whether they roam in the morning or not.
19. (a) The conclusion necessarily follows from the given two statements.
20. (c) The statement does not explain the contents of the yellow label bottle.
21. (a) The conclusion comes from both the statements.
22. (d) The word 'most' in the second statement make our conclusion doubtful.
23. (c) Whether the cold blood is good or bad is not given in the statement.
24. (a) The conclusion necessarily follow from both the statements.
25. (b) From the statement it is clear that all murders are crime but we cannot say that all crimes are murders.
26. (b) The conclusion that medicine is bitter and salt is bitter and hence salt has

bitter taste is long drawn conclusion.

27. (d) The conclusion is doubtful.
28. (c) The conclusion does not follow from the statements.
29. (a) The conclusion necessarily comes from both the statements.
30. (a) The conclusion necessarily comes from both the statements.
31. (a) The conclusion necessarily comes from the statements.
32. (a) The Tomb of Jahangir is in Lahore which itself is the part of Pakistan. Thus, the conclusion necessarily comes from the statements.
33. (a) Since footballers are athletes, so Anwar is also athletes.
34. (c) The conclusion does not follow from the statements.
35. (d) The conclusion is doubtful.
36. (c) The conclusion does not follow the statements.
37. (d) The conclusion is doubtful.
38. (a) The conclusion necessarily comes from the statements.
39. (d) There is no relevance between the conclusion and the statements.
40. (b) In conclusion that Italians sing beautifully is a long drawn one.
41. (b) Nowhere has it been said in the statements that the two qualities are connected like this.
42. (a) One quality nowhere precludes the other.
43. (b) There are other food articles which also contain lot of proteins.
44. (b) It is a long drawn conclusion otherwise, the relationship between the two qualities is nowhere indicated.
45. (d) It is not absolutely certain that he will succeed in the next examination.
46. (a) The conclusion does follow from the statements.
47. (a) The conclusion necessarily follow from the statements.
48. (b) The conclusion is a long drawn one. He may or may not be sleeping.
49. (b) The conclusion is a long drawn one. He may and may not be well-versed in the interpretation of constitution.
50. (d) Because of the word 'generally' in the first statement, we cannot be sure of the conclusion drawn.

Verbal Intelligence Tests

Intelligence Test 1

Choose the correct answers:

1. Monday is to February as Friday is to _____.
(a) May (b) July
(c) June (d) March
2. Gun is to Soldier as _____ is to Blacksmith.
(a) Hammer (b) Plane
(c) Nail (d) Spaceship
3. Which one is different from the rest?
(a) CE (b) EG
(c) AC (d) GI
(e) IJ
4. Which one is different from the rest?
(a) AD (b) IL
(c) QS (d) MP
(e) EH
5. What is the next number in the following series:
4 8 24 96 ?
(a) 408 (b) 556
(c) 804 (d) 664
(e) 480
6. What will come next in the following series:
17 3 51 19 3 ?
(a) 3 (b) 57
(c) 48 (d) 75
7. Which one is out of list?
(a) Mare (b) Fox
(c) Lass (d) Hen
8. What will come next in the following series:
A C E ?

- (a) H (b) I
(c) G (d) K
9. Which one is different from the rest?
(a) May (b) November
(c) Friday (d) August
10. Which one is out of list?
(a) Lahore (b) Punjab
(c) Pakistan (d) Kabul
11. What will come next in the following series:
8 2 $\frac{1}{2}$ $\frac{1}{8}$?
(a) $\frac{1}{16}$ (b) $\frac{1}{64}$
(c) $\frac{1}{32}$ (d) $\frac{1}{18}$
12. Which one is different from the rest?
(a) Spaceship (b) Ship
(c) Aircraft (d) Cycle
13. Which one is different from the rest?
(a) DG (b) HK
(c) AC (d) LO
14. Ink is to Pen as _____ is to Pencil.
(a) Lead (b) Notebook
(c) Book (d) Knife
15. If Fellow is coded as 465531 then Elbow is coded as _____.
(a) 13565 (b) 65531
(c) 35651 (d) 16535
16. What will come next in the following series:
E,V E,W E,X E,Y ?
(a) E,Z (b) E,P
(c) E,W (d) E,Q
17. Which one is different from the rest?
(a) Mother (b) Uncle
(c) Brother (d) Son
18. What letter comes alphabetically in order in the word Drawing?
(a) D (b) W
(c) A (d) G
19. Which word does not belong to the list?
(a) Tiger (b) Wolf

- (c) Lamb (d) Leopard
20. Which number is out of list?
- (a) 8 (b) 4
- (c) 7 (d) 12
21. Bird is to Cage as Prisoner is to _____.
- (a) Pigeon (b) Lockup
- (c) Cell (d) Lock
22. Which word does not belong to the list?
- (a) Handful (b) Beautiful
- (c) Careful (d) Dutiful
- (e) Cheerful
23. Which word is out of list?
- (a) Liquid (b) Oil
- (c) Water (d) Petrol
24. Which word is out of list?
- (a) String (b) Guitar
- (c) Piano (d) Banjo
25. What will come next in the following series:
- BY CX DW EV FU ?
- (a) GT (b) TG
- (c) GO (d) TS

Answers

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| 1. | (c) | 11. | (c) | 21. | (c) |
| 2. | (a) | 12. | (d) | 22. | (a) |
| 3. | (e) | 13. | (c) | 23. | (a) |
| 4. | (c) | 14. | (a) | 24. | (a) |
| 5. | (e) | 15. | (b) | 25. | (a) |
| 6. | (b) | 16. | (a) | | |
| 7. | (c) | 17. | (b) | | |
| 8. | (c) | 18. | (d) | | |
| 9. | (c) | 19. | (c) | | |
| 10. | (d) | 20. | (c) | | |

Intelligence Test 2

● Choose the correct answers :

1. A is father of B but B is not A's son, what is relationship of B to A?

(a) Uncle

(b) Cousin

(c) Father

(d) Daughter

2. Essence is to Flower as _____ is to Oven.

(a) Heat

(b) Vapour

(c) Steam

(d) Ice

3. My Mother is sister of your brother. What relation am I to you?

(a) Cousin

(b) Nephew

(c) Brother

(d) Uncle

4. Which one is out of list?

(a) Buffalo

(b) Goat

(c) Sheep

(d) Cow

(e) Horse

5. What will come next?

16 12 28 8 4 ?

(a) 12

(b) 4

(c) 2

(d) 40

6. Write next number:

62 31 34 17 20 ?

(a) 9

(b) 8

(c) 10

(d) 6

7. Which word is out of list?

(a) Radius

(b) Arc

(c) Diameter

(d) Circumference

(e) Diagonal

8. If Sunday dawned three days before Yesterday what day will dawn two days after Tomorrow?

(a) Sunday

(b) Monday

(c) Saturday

(d) Tuesday

9. Spot out the stranger in the following:

(a) Godly

(b) Holy

(c) Pious

(d) Atheist

10. What number comes next in the series:

13 15 17 19 21 ?

(a) 23

(b) 24

(c) 26

(d) 20



11. Fly is to Aeroplane as Sail is to _____.

(a) Ship

(b) Cabin

(c) Ocean

(d) Sea

12. Write next two numbers:

5 3 6 4 7 5 8 6 ?

(a) 9,7

(b) 9,5

(c) 8,10

(d) 7,5

13. Finger is to Elbow as Toe is to _____.

(a) Ankle

(b) Arm

(c) Knee

(d) Foot

14. Meat is to Vegetarian as _____ is to Teetotaler.

(a) Mutton

(b) Liquor

(c) Vegetable

(d) Fruit

15. If Box is coded as CDPQYZ, how would you write Coat in code?

(a) PQDEBCUV

(b) UVDEPQBC

(c) BCPQDEUV

(d) DEPQBCUV

16. What will come next in the following series:

10 20 30 40 50 ?

(a) 85

(b) 55

(c) 90

(d) 60

(e) 80

17. What will come next in the following series:

20 25 23 28 26 31 29 34?

(a) 43

(b) 32

(c) 30

(d) 33

(e) 31

18. What will come next in the following series:

EGXFXHJXIXKMXLX_____

(a) M

(b) N

(c) O

(d) P

19. Which word is out of list?

(a) Failure

(b) Student

(c) Examination

(d) Cure

20. What will come next in the following series:

4 12 36 108 ?

(a) 224

(b) 124

(c) 324

(d) 424

21. What will come next in the following series:

17 35 72 147 ?

- (a) 298 (b) 294
(c) 198 (d) 892
22. Wag is to Dullard as Idiot is to _____.
(a) Clever (b) Healthy
(c) Heartly (d) Foolish
23. Free is to Imprison as Forgive is to _____.
(a) Accuse (b) Punish
(c) Accept (d) Condemn
24. Which word is out of list?
(a) Fad (b) Hat
(c) Far (d) Kit
25. What will come next in the following series:
10 50 250 1250 ?
(a) 6250 (b) 2500
(c) 5169 (d) 5012
(e) 3750

Answers

| | | | | | |
|-----|-----|-----|-------|-----|-----|
| 1. | (d) | 11. | (a) | 21. | (a) |
| 2. | (a) | 12. | (a) | 22. | (c) |
| 3. | (b) | 13. | (c) | 23. | (b) |
| 4. | (e) | 14. | (b) | 24. | (d) |
| 5. | (a) | 15. | (d) | 25. | (a) |
| 6. | (c) | 16. | (d) | | |
| 7. | (e) | 17. | (b) | | |
| 8. | (d) | 18. | (b+d) | | |
| 9. | (d) | 19. | (d) | | |
| 10. | (a) | 20. | (c) | | |



Intelligence Test 3

● Choose the correct answers:

1. Which one is different from the rest?

(a) Yellow

(b) Red

(c) Blue

(d) Chair

(e) Green

2. Single is to Double as One is to _____.

(a) Two

(b) Three

(c) Ten

(d) Twice

(e) Zero

3. Write the correct answer:

17 23 30 38 ?

(a) 45

(b) 47

(c) 48

(d) 46

4. Write the correct answer:

64 32 16 8 4 2?

(a) $\frac{1}{2}$

(b) 1

(c) $\frac{1}{4}$

(d) $\frac{1}{8}$

5. What will come next in the following series:

5 9 17 33 ?

(a) 66

(b) 74

(c) 71

(d) 114

(e) 65

6. What will come next in the following series:

2 90 4 80 6 70 8 60 ?

(a) 10,12

(b) 10,50

(c) 12,52

(d) 50,10

(e) 12,50

7. What will come next?

11 8 16 17 14 28 ?

(a) 20

(b) 29

(c) 30

(d) 32

8. What will come next in the following series:

1 10 19 28 ?

(a) 24

(b) 37

- (c) 26 (d) 28
(e) 25
9. What number come next?
120 108 97 87 78 ?
(a) 70 (b) 45
(c) 85 (d) 80
10. Book is to Title as Man is to _____.
(a) Girl (b) Sir
(c) Woman (d) Name
11. Insert the correct number.
49 48 45 40 33 24 ?
(a) 23 (b) 13
(c) 33 (d) 25
12. Saw is to Seed as Reap is to _____.
(a) Sunshine (b) Grain
(c) Rain (d) Crop
13. Fish is to Swimming as Snake is to _____.
(a) Puppy (b) Creeping
(c) Crawling (d) Jump
14. Which word does not belong to the list?
(a) Necktie (b) Coat
(c) Shirt (d) Trousers
(e) Boot
15. Complete the series:
3 4 10 11 17 18 ?
(a) 25 (b) 24
(c) 19 (d) 20
16. Which number comes next in the following series:
8 7 6 5 4 3 ?
(a) 2 (b) 1
(c) 0 (d) None of these
17. Light is to Eye as Sound is to _____.
(a) Ear (b) Foot
(c) Leg (d) Hand
18. Girls wear glasses because:
(a) They want to show off (b) They have to go outside
(c) They want to look smart (d) They have poor eyesight
19. Which one is different from rest?
(a) Sure (b) Vague

- (c) True (d) Certain
1. Which number comes next in the following series:
1 4 9 16 25 36 ?
(a) 39 (b) 46
(c) 49 (d) 45
2. Which one of the following is different from the rest?
(a) Five (b) Twenty
(c) Two (d) Four
3. If Step is coded as 3165 then Pets is coded as _____.
(a) 3165 (b) 1635
(c) 5613 (d) 3156
4. Looking on a portrait, a man said, that man's father is my father's son, I have no brother and sister. What is He to Me?
(a) Uncle (b) Own Picture
(c) Cousin (d) Brother
5. Which number comes next in the following series:
4 6 8 10 12 ?
(a) 22 (b) 16
(c) 14 (d) 10
6. What will come next in the following series:
B D G K P
(a) E (b) R
(c) V (d) S

Answers

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| 1. | (d) | 11. | (b) | 21. | (b) |
| 2. | (a) | 12. | (d) | 22. | (c) |
| 3. | (c) | 13. | (c) | 23. | (b) |
| 4. | (b) | 14. | (a) | 24. | (c) |
| 5. | (b) | 15. | (b) | 25. | (c) |
| 6. | (b) | 16. | (a) | | |
| 7. | (b) | 17. | (a) | | |
| 8. | (b) | 18. | (c) | | |
| 9. | (a) | 19. | (b) | | |
| 10. | (d) | 20. | | | |

Intelligence Test 4

● Choose the correct answers:

1. If Sheep is to Wool as Cat is to _____.
 (a) Bitch (b) Fur
 (c) Camel (d) Dog
2. What will come next in the following series:
 2 9 14 21 26 ?
 (a) 38 (b) 31
 (c) 28 (d) 33
3. What will come next in the following series:
 53 48 50 45 47 ?
 (a) 54 (b) 39
 (c) 76 (d) 69
 (e) 42
4. If 1800 O'clock is to 6 O'clock then 1400 O'clock is to _____ O'clock.
 (a) 3 (b) 7
 (c) 2 (d) 4
5. Saw is to Cut as Iron is to _____.
 (a) Hard (b) Metal
 (c) Press (d) Oven
6. Which one is different from the rest?
 (a) Sword (b) Fork
 (c) Dagger (d) Knife
7. Bulb is to Current as Lamp is to _____.
 (a) Oil (b) Fuel
 (c) Light (d) Table
8. Which one is different from the rest?
 (a) CE (b) EG
 (c) IJ (d) GI
 (e) AC
9. What number comes next in the following series:
 $4\frac{3}{8}$ 24 $19\frac{10}{10}$ 3 ?
 (a) 40 (b) 46
 (c) 48 (d) 44
 (e) 42
10. If Shoe is to Foot then Helmet is to _____.

- (a) Steel (b) Baseball
(c) Head (d) Combat
(e) Heavy

11. What will come next in the following series:

2 6 12 36 72 216 ?

- (a) 648 (b) 403
(c) 376 (d) 432
(e) 288

12. Complete the given series:

20 33 46 ?

- (a) 52 (b) 56
(c) 59 (d) 49

13. Complete the given series:

10 18 20 21 30 ?

- (a) 24 (b) 40
(c) 41 (d) 31

14. What will come next in the following series:

7 8 6 7 5 6?

- (a) 3 (b) 4
(c) 8 (d) 5
(e) 2

15. Hot is to Burn and Cold is to _____.

- (a) Freeze (b) Oven
(c) Stream (d) Iron

16. Complete the given series:

1 100 2 50 4 25 8 ?

- (a) 12.54 (b) 12.516
(c) 8.5016 (d) 1612.5

17. What will come next?

32 33 31 34 ?

- (a) 36 (b) 32
(c) 35 (d) 30

18. Continue the following series:

40 35 25 20 15 ?

- (a) 7.5 (b) 5
(c) 10 (d) 0

19. Complete the series:

7 4 12 9 27 24 ?

- (a) 48 (b) 36

- (c) 96 (d) 72
20. Continue the following series:
3 7 8 12 13 17 ?
(a) 22 (b) 21
(c) 18 (d) 19
21. Bed is to Sleep as Chair is to _____.
(a) Sit (b) Wood
(c) Seat (d) Floor
22. Continue the following series:
25 50 100 125 ?
(a) 175 (b) 152
(c) 225 (d) 150
23. Kamal is older than Jamal, Jamal is older than Hussain, Hussain is older than Waqar, who is the oldest?
(a) Waqar (b) Jamal
(c) Kamal (d) Hussain
24. Ring is the Finger as Watch is to _____.
(a) Arm (b) Head
(c) Foot (d) Wrist
25. Gun is to Soldier as _____ is to Photographer.
(a) Scenery (b) Photo
(c) Camera (d) Picture

Answers

| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| 1. | 2. | (b) | 11. | (d) | 21. | (a) |
| 3. | 4. | (d) | 12. | (c) | 22. | (d) |
| 5. | 6. | (e) | 13. | (a) | 23. | (c) |
| 7. | 8. | (c) | 14. | (b) | 24. | (d) |
| 9. | 10. | (c) | 15. | (a) | 25. | (c) |
| 11. | 12. | (b) | 16. | (b) | | |
| 13. | 14. | (a) | 17. | (d) | | |
| 15. | 16. | (c) | 18. | (c) | | |
| 17. | 18. | (e) | 19. | (d) | | |
| 19. | 20. | (c) | 20. | (c) | | |

Intelligence Test 5

● Choose the correct answers:

1. Which one of the following is different from the rest:

- | | |
|--------------|-------------|
| (a) Town | (b) Village |
| (c) Township | (d) City |
| (e) Heaven | |

2. Complete the given series:

3 8 15 24 ?

- (a) 32
(c) 36

- (b) 34
(d) 35

3. Which one of the following is different from the rest:

- | | |
|-----------|-----------|
| (a) Fat | (b) Great |
| (c) High | (d) Big |
| (e) Small | |

4. What will come next?

19 9 29 8 39 ?

- (a) 7
(c) 49

- (b) 4
(d) 40

5. Complete the given series:

11 12 14 15 ?

- (a) 11
(c) 17

- (b) 16
(d) 12

6. Which one is different from the rest?

- (a) LO
(c) AC

- (b) HK
(d) DG

7. Continue the following series:

3 4 6 7 9 10 ?

- (a) 12
(c) 14

- (b) 8
(d) 11

8. Continue the following series:

7 49 6 36 5 ?

- (a) 25
(c) 23

- (b) 4
(d) 15

9. Which one is different from the rest?

- (a) Spaceship
(c) Kinship

- (b) Relationship
(d) Friendship

10. Continue the following series:

2 4 16 256 16 ?

(a) 256

(b) 16

(c) 2

(d) 4

11. Which word does not belong to the list?

(a) Car

(b) Train

(c) Bus

(d) Tram

(e) Ship

12. Which word does not belong to the list?

(a) Mason

(b) Blacksmith

(c) Tailor

(d) Professor

13. One Third of One Half is _____.

(a) $\frac{1}{3}$

(b) $\frac{1}{8}$

(c) $\frac{1}{6}$

(d) $\frac{2}{3}$

14. What will come next in the following series:

8 8 16 9 9 18 10 10 ?

(a) 22

(b) 20

(c) 19

(d) 10

15. What will come next in the following series:

9 24 39 54 69 84 99 114 ?

(a) 132

(b) 128

(c) 124

(d) 131

(e) 129

16. Complete the given series:

111 115 120 126 ?

(a) 130

(b) 128

(c) 133

(d) 136

17. Insert the right number in the following series:

5 6 8 9 11 ? 14

(a) 10

(b) 14

(c) 13

(d) 12

18. Which one is different from the rest?

(a) Judge

(b) Advocate

(c) Cook

(d) Pleader

(e) Magistrate

19. Complete the following series:

3 4 10 11 17 18 ?

(a) 25

(b) 24



(c) 19 (d) 20
20. What will come next? 2 5 10 17 ?

(a) 25

(b) 23

(c) 26

(d) 21

21. Complete the series:

2 6 18 54 162 486 ?

(a) 972

(b) 496

(c) 1485

(d) 1458

22. Insert the correct number:

0 5 12 21 ?

(a) 32

(b) 33

(c) 31

(d) 24

23. If Brush is to Painting as Pencil is to _____

(a) Notebook

(b) Sketch

(c) Map

(d) Drawing

24. What number comes next in the following series:

29 23 18 14 11 ?

(a) 13

(b) 6

(c) 19

(d) 9

(e) 10

25. What number comes next in the following series:

101 105 111 119 ?

(a) 15

(b) 125

(c) 25

(d) 129

(e) 135

Answers

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| 1. | (e) | 11. | (e) | 21. | (d) |
| 2. | (d) | 12. | (d) | 22. | (a) |
| 3. | (b) | 13. | (c) | 23. | (d) |
| 4. | (a) | 14. | (b) | 24. | (d) |
| 5. | (c) | 15. | (e) | 25. | (d) |
| 6. | (c) | 16. | (c) | | |
| 7. | (a) | 17. | (d) | | |
| 8. | (a) | 18. | (c) | | |
| 9. | (a) | 19. | (b) | | |
| 10. | (d) | 20. | (c) | | |



Intelligence Test 6

● Choose the correct answers:

1. A railway station always has:
(a) A Train
(b) A Railway Line
(c) A Platform
(d) A Station Master
2. Complete the following series:
234 342 423 ?
(a) 234
(b) 523
(c) 432
(d) 342
3. Book is to Title as Man is to _____.
(a) Girl
(b) Woman
(c) Sir
(d) Name
4. Man is to Woman as Boy is to _____.
(a) Father
(b) Brother
(c) Girl
(d) Daughter
5. 3 has the same ratio to $15x$ as $5x$ has to _____.
(a) $25x^2$
(b) $25xy$
(c) 25
(d) $25x$
6. Son is to Father as Nephew is to _____.
(a) Aunt
(b) Cousin
(c) Brother
(d) Uncle
7. What letter comes alphabetically in order in the letter, Mother?
(a) E
(b) R
(c) M
(d) H
8. Which of the following is different from the rest:
(a) Locate
(b) Invention
(c) Discover
(d) Find
9. What number comes next in the series?
9 24 39 54 69 84 99 ?
(a) 114
(b) 106
(c) 124
(d) 109
10. Which one of the following is different from the rest:
(a) Sword
(b) Fork
(c) Knife
(d) Dagger
11. What will come next in the following series:
6 7 9 12 16 21 27 34 ?
(a) 50
(b) 49

- (c) 42
12. Which one is different from the rest?
 (a) Triangle
 (b) Square
 (c) Rectangle
 (d) Circle
13. If A is smaller than B, but taller than C and D, who is the tallest of the three?
 (a) B
 (b) D
 (c) C
 (d) A
14. If Box is to 3 then Boxer is to _____.
 (a) 9
 (b) 7
 (c) 3
 (d) 5
15. Which one of the following is different from the rest?
 (a) Adult
 (b) Child
 (c) Infant
 (d) Baby
 (e) Newborn
16. If ACNPNPJL means Book, what does GINPQSRTDF mean?
 (a) House
 (b) Hand
 (c) Horse
 (d) Hero
17. Which one is different from the rest?
 (a) MP
 (b) EH
 (c) AD
 (d) QS
18. A is to E as C is to _____.
 (a) G
 (b) F
 (c) H
 (d) J
19. Laugh is to Gay as Weep is to _____.
 (a) Pleasant
 (b) Weep
 (c) Sad
 (d) Gloomy
20. What will come next?
 11 77 539 ?
 (a) 3778
 (b) 1078
 (c) 3773
 (d) 3377
21. What will come next in the following series:
 2 8 32 128 ?
 (a) 521
 (b) 228
 (c) 512
 (d) 384
22. Which one is different from the rest?
 (a) Lahore
 (b) Kabul
 (c) Beijing
 (d) Dhaka
23. Which one of the following is different from the rest:
 (a) Split
 (b) Gap

- (c) Divide
(e) Union

- (d) Separation

24. Which of the following is different from the rest:

- (a) Sun
(c) Earth

- (b) Mars
(d) Ocean

25. Which one is different from the rest?

- (a) Potato
(c) Tiger
(e) Horse

- (b) Rat
(d) Sheep

Answers

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| 1. | (b) | 11. | (c) | 21. | (c) |
| 2. | (a) | 12. | (d) | 22. | (a) |
| 3. | (d) | 13. | (a) | 23. | (e) |
| 4. | (c) | 14. | (d) | 24. | (d) |
| 5. | (a) | 15. | (a) | 25. | (a) |
| 6. | (d) | 16. | (c) | | |
| 7. | (a) | 17. | (d) | | |
| 8. | (b) | 18. | (a) | | |
| 9. | (a) | 19. | (c) | | |
| 10. | (b) | 20. | (c) | | |

Intelligence Test 7

● Choose the correct answers:

1. If FACE is coded as 6135 then ACE is coded as _____.
 (a) 357 (b) 657
 (c) 135 (d) 176
2. What letter comes alphabetically in the word Fluctuation?
 (a) N (b) U
 (c) F (d) I
3. If A=2, B=4, C=6 and so on then what word the following number stand for:
 8 10 10 32 ?
 (a) DEEP (b) PEEP
 (c) EPED (d) EPPE
4. Which one is different from the rest?
 (a) AD (b) IL
 (c) QS (d) MP
 (e) EH
5. If Crate is to Excrete then Cute is to _____.
 (a) Attractive (b) Loving
 (c) Smart (d) Execute
 (e) Charming
6. What number comes next in the following series:
 63 3 44 0 91 ?
 (a) 3 (b) 1
 (c) 7 (d) 9
 (e) 8
7. Confess is to Deny as Release is to _____.
 (a) Prisoner (b) Arrest
 (c) Jail (d) Police Station
8. If FET is to TEF then TAR is to _____.
 (a) TAR (b) RAT
 (c) TRA (d) ART
9. Man is to Run as Bird is to _____.
 (a) Run (b) Walk
 (c) Fly (d) Weak
10. Mountain is to High then Train is to _____.
 (a) Tall (b) Speed
 (c) Length (d) Small

11. Which one is different from the rest?
- (a) Elephant (b) Lion
(c) Horse (d) Tiger
12. What will come next in the following series:
- 10 13 9 6 ?
- (a) 8 (b) 4
(c) 2 (d) 7
13. What will come next in the following series:
- 10 20 11 47 13 64 16 81 ?
- (a) 19, 98 (b) 20, 98
(c) 18, 98 (d) 22, 98
14. What will come next in the following series:
- 8 10 14 18 26 ?
- (a) 32 (b) 34
(c) 36 (d) 38
15. Cars have Mirrors because _____
- (a) To see the cars which are ahead (b) To see the cars which are behind
(c) To see the different sights (d) To see the cars which are in front
16. Which one is different from the rest?
- (a) Carrot (b) Mango
(c) Orange (d) Melon
17. Which word is out of list?
- (a) Lecture (b) Gossip
(c) Oration (d) Speech
(e) Sermon
18. What will come next in the following series:
- 6 9 13 16 20 23 ?
- (a) 26, 29 (b) 27, 29
(c) 27, 30 (d) 26, 30
19. What will come next in the following series:
- 6 7 9 12 16 21 27 34 ?
- (a) 43 (b) 47
(c) 49 (d) 42
(e) 50
20. What will come next in the following series:
- 20 25 23 28 26 31 29 34 ?
- (a) 35 (b) 32
(c) 33 (d) 30



(e) 31

21. Single is to Double as One is to _____.

(a) Twice

(b) Three

(c) Zero

(d) Two

22. The opposite of Never is _____.

(a) Always

(b) Seldom

(c) Often

(d) Frequently

(e) Occasionally

23. Pakistan is to Asia as United Kingdom is to _____.

(a) Europe

(b) Africa

(c) America

(d) England

24. What will come next in the following series:

24 12 36 24 48 36 ?

(a) 50

(b) 52

(c) 58

(d) 60

25. Driver is to Car as _____ is to Aeroplane.

(a) Navigator

(b) Pilot

(c) Fuel

(d) Load Master

(e) Aerodrome

Answers

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| 1. | (c) | 11. | (d) | 21. | (d) |
| 2. | (d) | 12. | (b) | 22. | (a) |
| 3. | (a) | 13. | (b) | 23. | (a) |
| 4. | (c) | 14. | (b) | 24. | (d) |
| 5. | (d) | 15. | (d) | 25. | (b) |
| 6. | (e) | 16. | (a) | | |
| 7. | (b) | 17. | (b) | | |
| 8. | (b) | 18. | (c) | | |
| 9. | (c) | 19. | (d) | | |
| 10. | (c) | 20. | (b) | | |



Intelligence Test 8

● Choose the correct answers:

1. What will come next in the following series:

32 6 43 12 64 ?

(a) 32

(b) 43

(c) 28

(d) 24

2. Insert the correct figure:

9 5 8 5 7 5 ?

(a) 6

(b) 5

(c) 7

(d) 8

3. If Yesterday was Monday, what day is after Tomorrow?

(a) Monday

(b) Saturday

(c) Sunday

(d) Thursday

4. What will come next in the following series:

A C F ?

(a) I

(b) K

(c) H

(d) J

5. Insert the correct figure:

3 10 18 27 ?

(a) 36

(b) 35

(c) 37

(d) 32

6. Skardu is to cold as Multan is to _____.

(a) Snow

(b) Hot

(c) Stream

(d) Ice

7. Acre is to Kanal as Square is to _____.

(a) Karam

(b) Marla

(c) Mile

(d) Kanal

(e) Acre

8. Complete the following series:

7 8 6 7 5 6 4 ?

(a) 5

(b) 6

(c) 7

(d) 8

9. Heavy is to Light as Rough is to _____.

(a) Coarse

(b) Smooth

(c) Soft

(d) Wood

10. Complete the following series:

10 18 15 23 20 28 ?

- (a) 23
(c) 25
- (b) 24
(d) 30
11. Which word does not belong to the list?
(a) Tiger
(c) Leopard
(e) Lamb
(b) Lion
(d) Wolf
12. Insert the right number in the following series:
10 11 13 16 20 ?
(a) 25
(c) 26
(b) 24
(d) 30
13. Which word is out of list?
(a) Touch
(c) Whisper
(b) Shout
(d) Sing
14. A is to E as C is to _____.
(a) I
(c) F
(b) G
(d) H
15. Continue the following series:
1 2 4 8 16 ?
(a) 32
(c) 20
(b) 34
(d) 24
16. Nib is to Pen as Blade is to _____.
(a) Razor
(c) Steel
(b) Knife
(d) Shapner
17. Write next number in series:
1 4 10 22 46 ?
(a) 85
(c) 98
(b) 94
(d) 80
18. Which word is out of list?
(a) Ugly
(c) Selfish
(b) Foolish
(d) Dishonest
19. What letter comes next in the series?
A C F J O ?
(a) S
(c) U
(b) V
(d) T
20. What will come in the next series?
1 2 4 8 32 ?
(a) 64
(c) 56
(e) 48
(b) 96
(d) 80
21. What will come in the next series?

| 8 | 10 | 14 | 28 | 30 | 34 | ? |
|-----|----|----|----|----|----|--------|
| (a) | 75 | | | | | (i) 73 |
| (c) | 68 | | | | | (d) 72 |
| (e) | 71 | | | | | |

| | | | | | | |
|---|-----|---|---|---|---|-------|
| C | H | L | O | Q | ? | |
| | (a) | R | | | | (r) S |
| | (c) | T | | | | (t) X |
| | (e) | Y | | | | |

| B | D | E | G | H | ? | |
|-----|---|---|---|---|---|-------|
| (a) | O | | | | | (1) I |
| (c) | F | | | | | (2) J |
| (e) | K | | | | | |

| | |
|-----------|-----------|
| (a) Ton | (b) Ounce |
| (c) Pound | (d) Stone |

Answers

| | | | | |
|-----|-----|-----|-----|-----|
| 1. | (d) | 11. | (e) | 21. |
| 2. | (a) | 12. | (a) | 22. |
| 3. | (d) | 13. | (a) | 23. |
| 4. | (d) | 14. | (b) | 24. |
| 5. | (c) | 15. | (a) | 25. |
| 6. | (b) | 16. | (b) | |
| 7. | (e) | 17. | (b) | |
| 8. | (a) | 18. | (a) | |
| 9. | (b) | 19. | (c) | |
| 10. | (c) | 20. | (a) | |

Intelligence Test 9

● Choose the correct answers:

1. Which choice supplies the answer in the following?

If BME = DOG

Then MLC = ?

(a) ONE

(c) TWO

(b) EYE

(d) THREE

2. Sweeper is to Sweep as Washerman is to _____.

(a) Cloth

(c) Water

(b) Wash

(d) Machine

3. What will come next?

5 7 9 ?

(a) 11

(c) 12

(e) 21

(b) 15

(d) 17

4. Which one is different from the rest?

(a) Advocate

(c) Justice

(e) Cook

(b) Judge

(d) Pleader

5. What will come next in the following series:

2413 2420 2434 2462 2518 ?

(a) 2630

(c) 2830

(e) 2730

(b) 2631

(d) 2635

6. What number comes next?

3 8 14 21 29 38 ?

(a) 49

(c) 50

(b) 48

(d) 65

7. What number comes next in the following?

LACK---> 9381 and CALK---> 8391 then what stands for CKAL?

(a) 8913

(c) 8319

(e) 8139

(b) 3819

(d) 8193

8. Write the numbers of the two words which have the same relationship as Bird and Cage from:

(a) Stable

(c) Horse

(e) Court

(b) Judge

(d) Prisoner

9. In a class of 60 male and 35 female students 80 % class failed in chemistry, 30 % in English then which one is true?

- (a) Only Female are failed
(c) Only Male are failed
(b) No Male is failed
(d) Both Male and Female students are failed

10. What will come next?

7 49 343 2410 ?

- (a) 14807
(c) 14678

- (b) 16807
(d) 16708

11. Which word does not belong to the list?

- (a) Plate
(c) Knife
(e) Spoon

- (b) Sugar
(d) Dish

12. (8 10 6) Divide the largest of these numbers by the difference of two smaller numbers then answer will be?

- (a) 7
(c) 15

- (b) 5
(d) 25

13. Point out the word which is different from others in the group:

- (a) Dutiful
(c) Beautiful
(e) Careful

- (b) Cheerful
(d) Handful

14. Saw is to Seed as Reap is to _____.

- (a) Crop
(c) Rain

- (b) Sunshine
(d) Grain

15. What will come next in the following series:

43-1 53-2 74-3 ?

- (a) 84-5
(c) 84-4

- (b) 84-6
(d) 83-3

16. What will come next?

3 21 4 22 5 ?

- (a) 23
(c) 6

- (b) 10
(d) 24

17. What will come next in the following series:

T S R T S R T S ?

- (a) S
(c) R
(e) W

- (b) T
(d) V

18. What will come next in the following series:

2048 1024 512 256 128 64 ?

- (a) 32
(c) 36
(e) 72

- (b) 26
(d) 24

19. What will come next in the following series:

80 40 20 10 2 $\frac{5}{2}$?

(a) $\frac{5}{4}$

(c) 2

(e) $\frac{2}{3}$

(b) $\frac{1}{2}$

(d) $\frac{5}{8}$

20. Book is to Read as Notebook is to _____.

(a) Pen

(c) Pencil

(b) Write

(d) Cover

21. Which word does not belong to the list?

(a) Mile

(c) Foot

(e) Acre

(b) Inch

(d) Yard

22. What will come next in the following series:

6 7 9 12 16 21 27 34 ?

(a) 42

(c) 50

(e) 49

(b) 47

(d) 43

23. What will come next in the following series:

G F E D ?

(a) E

(c) B

(e) C

(b) F

(d) G

24. Tight is to Loose as Hard is to _____.

(a) Stone

(c) Difficult

(b) Soft

(d) Carbon

25. If Step is coded as 5631 then Pets is coded as _____.

(a) 3167

(c) 5163

(b) 1365

(d) 5316

Answers

| | | | | | |
|-----|-------|-----|-----|-----|-----|
| 1. | (a) | 11. | (b) | 21. | (e) |
| 2. | (b) | 12. | (b) | 22. | (a) |
| 3. | (a) | 13. | (d) | 23. | (e) |
| 4. | (e) | 14. | (a) | 24. | (b) |
| 5. | (a) | 15. | (c) | 25. | (b) |
| 6. | (b) | 16. | (a) | | |
| 7. | (e) | 17. | (c) | | |
| 8. | (a-c) | 18. | (a) | | |
| 9. | (d) | 19. | (a) | | |
| 10. | (b) | 20. | (b) | | |



Intelligence Test 10

● Choose the correct answers:

1. Which pair of numbers does not belong to the same group?
(a) 16-10 (b) 112-104
(c) 1227-1222 (d) 967-964
(e) 2516-2509
2. Clear is to Foggy as Day is to _____.
(a) Evening (b) Night
(c) Noon (d) Morning
3. What will come next in series?
11 21 40 77 150 ?
(a) 294 (b) 295
(c) 290 (d) 395
4. Quran is to Muslim as Bible is to _____.
(a) Hindu (b) Jew
(c) Sikh (d) Christian
5. Listen is to Hear as Look is to _____.
(a) Watch (b) See
(c) Observe (d) Notice
6. Write the middle letter:
B C D E F G H
(a) D (b) E
(c) C (d) F
7. Write number of the pair which is dissimilar to the others in the following:
(a) Glass and Milk (b) Bottle and Wine
(c) Radio and Transistor (d) Pen and Ink
8. What will come in the following series:
7 11 16 22 26 31 ?
(a) 32 (b) 34
(c) 36 (d) 37
(e) 39
9. What is the odd term out here?
(a) Foot (b) Yard
(c) Centimeter (d) Metre
(e) Square Yard
10. Which one is out of list?
(a) Cow (b) Goat

- (c) Sheep
(e) Buffalo
- (d) Horse
11. What will come next in the following series:
2 7 24 77 ?
(a) 144
(b) 236
(c) 238
(d) 99
(e) 77
12. Complete the series:
27 25 26 24 25 23 24 22 ____.
(a) 22 21
(b) 24 23
(c) 23 21
(d) 20 21
13. Lahore is to Punjab as Karachi is to ____:
(a) N.W.F.P.
(b) Balochistan
(c) Sindh
(d) City
14. Light is to Eye as Sound is to ____.
(a) Foot
(b) Ear
(c) Arm
(d) Leg
15. What will come next?
 $7 + 2 - 1 = H$
 $22 + 6 - 5 = W$
 $11 + 6 - 2 = ?$
(a) N
(b) P
(c) O
(d) M
16. We wear clothes. [Quote the serial number].
(a) to be fashionable
(b) to keep warm
(c) to look nice
(d) because it is a custom to do
17. Which one is different from the rest?
(a) December
(b) Monday
(c) March
(d) May
18. If second of the following number is added to the shortest number and divided by the third number then the answer will be:
2 14 4
(a) 4
(b) 2
(c) 6
(d) 8
(e) 10
19. Rupee is to Pakistan as Yen is to ____.
(a) Korea
(b) China
(c) Japan
(d) Iran
20. What number comes next in the following series:
AB DEF HIJK MNOPQ ?
93

- (a) STUVXW
(c) STUVXZ
- (b) STUVWX
(d) SUTVXW

1. Write the next number:

6 11 12 11 18 11 24 11 ?

- (a) 30
(c) 45

- (b) 34
(d) 40

22. What will come next in the following series:

$\frac{1}{16}$ $\frac{1}{4}$ $\frac{1}{2}$ 2 4 16 ?

- (a) 48
(c) 64
(e) 80

- (b) 32
(d) 24

23. Adnan was 21 years old in 1945, how old will be he in 1965?

- (a) 41
(c) 65

- (b) 43
(d) 45

24. Steel is to Karachi as Hosiery is to _____.

- (a) Hyderabad
(c) Multan

- (b) Lahore
(d) Faisalabad

25. Sweep is to Broom as Wash is to _____:

- (a) Soap
(c) Water

- (b) Tub
(d) Powder

Answers

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| 1. | (d) | 11. | (c) | 21. | (a) |
| 2. | (b) | 12. | (c) | 22. | (b) |
| 3. | (b) | 13. | (c) | 23. | (a) |
| 4. | (d) | 14. | (b) | 24. | (d) |
| 5. | (b) | 15. | (c) | 25. | (a) |
| 6. | (b) | 16. | (c) | | |
| 7. | (c) | 17. | (b) | | |
| 8. | (d) | 18. | (a) | | |
| 9. | (e) | 19. | (c) | | |
| 10. | (d) | 20. | (b) | | |

Intelligence Test 11

● Choose the correct answers:

1. Laughter is to Joy as Tears are to _____.
 (a) Sadness (b) Anger
 (c) Happiness (d) Sorrow
2. Insert the missing number:
 7 14 12
 4 12 9
 6 24 ?
 (a) 20 (b) 22
 (c) 18 (d) 24
3. Pond is to Ocean as Shallow is to _____.
 (a) High (b) Deep
 (c) Spot (d) Space
4. Knowledge is to Learned as Wealth is to _____.
 (a) Rich (b) Spend
 (c) Happy (d) Poor
5. Fish is to Water as Animal is to _____.
 (a) Jungle (b) Zoo
 (c) Forest (d) Land
6. What will come next in the following series:
 B D G K P ?
 (a) R (b) S
 (c) V (d) E
7. Find the odd-man out?
 (a) Trip (b) Pair
 (c) Peer (d) Rips
8. King is to Queen as Raja is to _____.
 (a) Princess (b) Rani
 (c) Empress (d) Woman
9. What number comes next in the following series:
 2 4 12 48 240 ?
 (a) 1440 (b) 1442
 (c) 2400 (d) 1220
10. Curse is to Bless as Deny is to _____.
 (a) Permit (b) Approval
 (c) Admit (d) Refuse

11. Insert the missing letter:

R O L I ?

(a) G

(c) F

(b) D

(d) E

12. Find the odd-man out.

(a) Socrates

(c) Bethoven

(b) Handel

(d) Mozart

13. Insert the missing number.

17 19 — 20 15

(a) 15

(c) 17

(b) 16

(d) 19

14. Find the odd - man out?

(a) Oslo

(c) New York

(b) Cairo

(d) Madrid

15. Insert the missing number:

D H L P T _____

(a) Y

(c) W

(b) X

(d) N

16. Foul is to Hen as Cub is to _____

(a) Dog

(c) Lion

(b) Goat

(d) Cat

17. If Murshid is smaller than Azhar, but taller than Aqeel. Who is the tallest of the three?

(a) Aqeel

(c) Azhar

(b) Murshid

18. What number comes next in the following series:

6 9 7 10 8 11 ?

(a) 13

(c) 14

(b) 19

(d) 9

19. Which one is different from the rest?

(a) Tiger

(c) Potato

(b) Horse

(d) Sheep

20. Find the missing letter:

F J N R _____

(a) U

(c) W

(b) X

(d) V

21. Find the odd-man out.

(a) Lahore

(c) Multan

(b) Rawalpindi

(d) Sukkur

22. Insert the missing number:

- 8 12 10 16 12 _____
- (a) 15 (b) 25
- (c) 20 (d) 18
23. Find the odd-man out. (b) Packet
- (a) Junk (d) Dhow
- (c) Rickshaw
24. Find the odd-man out. (b) 422
- (a) 837 (d) 612
- (c) 549
25. Find the odd-man out. (b) Bed
- (a) Playpen (d) Table
- (c) Chair

Answers

| | | | | | |
|-----|---|-----|---|-----|---|
| 1. | d | 11. | c | 21. | d |
| 2. | a | 12. | a | 22. | c |
| 3. | b | 13. | b | 23. | c |
| 4. | a | 14. | d | 24. | b |
| 5. | d | 15. | b | 25. | a |
| 6. | c | 16. | c | | |
| 7. | b | 17. | c | | |
| 8. | b | 18. | d | | |
| 9. | a | 19. | c | | |
| 10. | c | 20. | d | | |

Intelligence Test 12

● Choose the correct answers:

1. Find the odd-man out.

| | |
|------------|----------|
| (a) Ant | (b) Bee |
| (c) Spider | (d) Moth |
2. What number comes next?
BY CX DW EV FU ?

| | |
|--------|--------|
| (a) TG | (b) TS |
| (c) GO | (d) GT |
3. Which one is different from the rest?

| | |
|--------------|----------------|
| (a) Cook | (b) Judge |
| (c) Advocate | (d) Magistrate |
4. What number comes next?
3 11 4 13 5 15 6 17 7 ?

| | |
|--------|--------|
| (a) 21 | (b) 20 |
| (c) 19 | (d) 23 |
5. What numbers come next?
2, 4, 7, 11, 16, __, __

| | |
|------------|------------|
| (a) 21, 28 | (b) 22, 28 |
| (c) 21, 29 | (d) 22, 29 |
6. What will come next?
4 5 8 10 12 15 ?

| | |
|--------|--------|
| (a) 20 | (b) 18 |
| (c) 17 | (d) 16 |
7. What will come next in the following series :
3456, 5678, 78910, ?

| | |
|----------------|-----------------|
| (a) 9 10 11 12 | (b) 11 12 13 14 |
| (c) 8 9 10 11 | (d) 10 11 12 13 |
8. Insert the missing number:
25 20 15 10 ?

| | |
|--------|-------|
| (a) 8 | (b) 5 |
| (c) 24 | (d) 9 |
9. Which one is different from the rest?

| | |
|----------|----------|
| (a) Duck | (b) Cow |
| (c) Bull | (d) Mare |
10. A cake is cut so that, one piece, which is half of the cake, is twice as largest as the other piece. How many pieces are there?

| | |
|-------|-------|
| (a) 3 | (b) 5 |
|-------|-------|

- (c) 2 (d) 9
11. What number comes next?
3 6 9 12 15 ?
(a) 24 (b) 18
(c) 27 (d) 21
12. What letter comes next in the series:
A C F J O ?
(a) S (b) T
(c) U (d) V
13. Cotton is to Quilt as _____ is to Blanket.
(a) Wool (b) Pillow
(c) Silk (d) Softness
14. Which letter is as far from L as far from J?
(a) T (b) T
(c) K (d) U
15. Cement is to Trowel as Paint is to _____.
(a) Brush (b) Polish
(c) Colour (d) Tin Packet
16. Find the odd-man out?
(a) Chariot (b) Sleigh
(c) Car (d) Bus
17. What number comes next in the following series:
WXYZ XYZW ?
(a) YZWX (b) YXWZ
(c) YWXZ (d) YZXW
18. Scooter is to Petrol as Truck is to _____.
(a) Tyre (b) Diesel
(c) Horn (d) Road
19. What number comes next in the following series:
16 8 24 32 16 ?
(a) 20 (b) 40
(c) 72 (d) 45
20. Insert the missing number:
3 7 16 35 ?
(a) 75 (b) 8
(c) 74 (d) 9
21. What number comes next in the following series:
101 105 111 119 ?
(a) 135 (b) 125

(c) 120

22. Which one is different from the rest?

(a) Chair

(c) Red

23. Beijing is to China as _____ is to Pakistan.

(a) Lahore

(c) Islamabad

24. Food is to Eat as Milk is to _____.

(a) Drink

(c) Sugar

25. Snow is to Mountain as Sand is to _____.

(a) Field

(c) Forest

(d) 129

(b) Blue

(d) Yellow

(b) Karachi

(d) Peshawar

(b) Water

(d) White

(b) Plain

(d) Desert

Answers

| | | | | | |
|-----|---|-----|---|-----|---|
| 1. | c | 11. | b | 21. | d |
| 2. | d | 12. | c | 22. | a |
| 3. | a | 13. | a | 23. | c |
| 4. | c | 14. | c | 24. | a |
| 5. | d | 15. | a | 25. | d |
| 6. | d | 16. | b | | |
| 7. | a | 17. | a | | |
| 8. | b | 18. | b | | |
| 9. | c | 19. | b | | |
| 10. | a | 20. | c | | |



Intelligence Test 13

● Choose the correct answers:

1. Find the odd-man out.

- (a) Allama Iqbal
(c) Hasan Sardar

- (b) Imran Khan
(d) Aqib Javed

2. Insert the missing number:

4 7 9 11 14 15 19 ?

- (a) 17
(c) 19

- (b) 5
(d) 9

3. What will come next in the following series:

34 24 16 10 6 ?

- (a) 7
(c) 3

- (b) 4
(d) 2

4. Find the odd-man out.

- (a) Student
(c) Teacher

- (b) Professor
(d) Lecturer

5. Write next two numbers:

5 3 6 4 7 5 8 6 9 ?

- (a) 7, 5
(c) 7, 10

- (b) 8, 10
(d) 9, 5

6. Insert the missing number:

3 7 16

6 13 28

9 19 ?

- (a) 30
(c) 35

- (b) 40
(d) 50

7. Find the odd-man out.

- (a) Rawalpindi
(c) Balochistan

- (b) Khushab
(d) Quetta

8. What is the missing letter?

$$8 + 3 - 4 = G$$

$$2 + 12 - 2 = L$$

$$22 + 4 - 3 = W$$

$$13 + 1 - 10 = ?$$

- (a) D
(c) F

- (b) E
(d) Q

9. If Slight stands 426175, then Gist stands for _____.

- (a) 1645

- (b) 4516



- (c) 4561 (d) 5416
10. If 124351 stands for Newton, then 3512 stands for ____.
- (a) Tone (b) Neow
(c) Town (d) Note
11. Find the odd-man out.
- (a) Lungs (b) Blood
(c) Skin (d) Bread
12. What do all the books have?
- (a) Pages (b) Pictures
(c) Verses (d) Questions
13. What will come next in the following series:
- E J N Q ?
- (a) R (b) K
(c) S (d) F
14. Complete the following series.
- 6 12 18 ____ 30
- (a) 22 (b) 28
(c) 20 (d) 24
15. Which one is different from the rest?
- (a) Gap (b) Split
(c) Union (d) Divide
16. Which one is different from the rest?
- (a) October (b) April
(c) March (d) Tuesday
17. If Box is to 3 then BOXER is to ____.
- (a) 4 (b) 5
(c) 7 (d) 8
18. What will come next?
- 8 10 14 18 26 ?
- (a) 32 (b) 34
(c) 36 (d) 30
19. Find the odd-man out.
- (a) Lion (b) Tiger
(c) Cow (d) Leopard
20. Divide the largest of following numbers by the difference of two small numbers, then the answer will be:
- 16 20 12
- (a) 4 (b) 10
(c) 5 (d) 2
21. What will come next in the following series:



42 2 84 2 93 ?

(a) 8

(c) 3

(b) 2

(d) 6

22. Find the odd-man out.

(a) Rose

(c) Tulip

(b) Lily

(d) Turnip

23. Find the odd-man out.

(a) Ravi

(c) Indus

(b) Sutlej

(d) Atlantic

24. Which one is different from the rest?

(a) Heaven

(c) City

(b) Town

(d) Village

25. Which one is different from the rest?

(a) ABC

(c) KMN

(b) XYZ

(d) RST

Answers

| | | | | | |
|-----|---|-----|---|-----|---|
| 1. | a | 11. | d | 21. | c |
| 2. | c | 12. | a | 22. | d |
| 3. | b | 13. | c | 23. | d |
| 4. | a | 14. | d | 24. | a |
| 5. | c | 15. | c | 25. | c |
| 6. | b | 16. | d | | |
| 7. | c | 17. | b | | |
| 8. | a | 18. | a | | |
| 9. | a | 19. | c | | |
| 10. | a | 20. | c | | |

Intelligence Test 14

● Choose the correct answers:

1. Find the odd-man out.

- (a) England
(c) Lahore

- (b) Beijing
(d) Karachi

2. Insert the missing number:

5 7 4 6 3 ?
(a) 4
(c) 5

- (b) 2
(d) 7

3. Find the odd-man out.

- (a) ABC
(c) GHI

- (b) DEF
(d) PMO

4. Insert the missing number:

0 7 26 ?
(a) 44
(c) 63

- (b) 53
(d) 37

5. If DCF mean BAD then ECV means _____.

- (a) BAT
(c) FAT

- (b) RAT
(d) CAT

6. Sand is to Desert as Air is to _____.

- (a) Sky
(c) Ocean

- (b) Atmosphere
(d) Island

7. What will come next?

381 378 373 366 ?
(a) 356
(c) 357

- (b) 358
(d) 360

8. Which one is different from the rest?

- (a) Iron and Nail
(c) Paper and Book

- (b) Wool and Stool
(d) Oil and Lamp

9. Which is different from the rest?

- (a) Student and Teacher
(c) Science and Laboratory

- (b) Book and Leaf
(d) Tailor and Cloth

10. Accelerate is to Retard as Praise is to _____.

- (a) Scold
(c) Applaud

- (b) Glorify
(d) Commend

11. Rush is to Reckless as Compulsory is to _____.

- (a) Binding
(c) Complete

- (b) Voluntary
(d) Optional

12. State the number of pair which is different from others:

- (a) Air and Oxygen

- (b) Geometry and Mathematics

- (c) Teacher and Student (d) Flower and Petal
13. What will come next?
4 8 32 5 9 ?
(a) 42 (b) 10
(c) 45 (d) 64
14. What will come next in the following series:
A C F ?
(a) H (b) J
(c) K (d) L
15. Find the odd-man out.
(a) Cat (b) Dog
(c) Snake (d) Fox
16. What will come next in the following series:
18 13 9 6
(a) 4 (b) 2
(c) 3 (d) 8
17. A Metre is to Distance as a Clock is to _____.
(a) An hour (b) Time
(c) Watch (d) Alarm
18. Which one is different from the rest?
(a) May (b) April
(c) Friday (d) November
19. "Will go" is to "went" as Tomorrow is to _____.
(a) Yesterday (b) Today
(c) Leaving (d) Motion
20. What will come next in the series ?
3 12 6 24 12 48 ?
(a) 24 (b) 42
(c) 36 (d) 40

Answers

| | | | |
|-----|---|-----|---|
| 1. | a | 11. | a |
| 2. | c | 12. | c |
| 3. | d | 13. | c |
| 4. | b | 14. | b |
| 5. | d | 15. | c |
| 6. | b | 16. | a |
| 7. | c | 17. | b |
| 8. | d | 18. | c |
| 9. | b | 19. | d |
| 10. | a | 20. | a |

Intelligence Test 15

● Choose the correct answers:

1. Gold is to Wood as _____ is to Carpenter.

(a) Ornaments

(b) Blacksmith

(c) Goldsmith

(d) Fisher

2. Find the odd-man out.

(a) AABRZZ

(b) BBCCZZ

(c) CCDDZZ

(d) DDEEYY

3. Insert the missing number:

1 8 5 11 ? 8 11

(a) 14

(b) 16

(c) 18

(d) 7

4. A school always has:

(a) Teacher

(b) Chair

(c) Classroom

(d) Desk

5. What will come next in the following series:

8 10 14 28 30 34 ?

(a) 72

(b) 72

(c) 68

(d) 74

6. Insert the missing number:

4 7 6

8 4 8

6 5 ?

(a) 2

(b) 6

(c) 4

(d) 14

7. Handsome is to Beautiful as _____ is to She.

(a) Man

(b) Smart

(c) He

(d) Charming

8. Insert the missing number:

0 3 8 15 ?

(a) 13

(b) 24

(c) 15

(d) 8

9. Point out the odd number:

2 4 6 8 9 10

(a) 4

(b) 8

(c) 9

(d) 2

10. Slow is to Fast as High is to _____.

(a) Light

(b) Heavy

(c) Low

(d) Top

11. What will come next?

100 75 55 40 30 ?

(a) 20

(b) 25

(c) 10

(d) 15

12. A Railway Station always has:

- (a) Train (b) A Station Master
(c) A Railway Line (d) A Platform

13. Complete the series:

2 4 8 3 ? 12

- (a) 4 (b) 9
(c) 6 (d) 4

14. Complete the series:

A / 2, 4 / C E / 6 ?

- (a) 8 / G (b) 6 / C
(c) 4 / D (d) 7 / G

15. Find the odd-man out.

- (a) Apple (b) Mango
(c) Orange (d) Turnip

16. Find the odd-man out.

- (a) 42,84 (b) 44,88
(c) 34,68 (d) 36,78

17. Soap is to Dirt as Petrol is to _____.

- (a) Car (b) Tyre
(c) Clothes (d) Grease

18. What will come next?

$\begin{array}{r} 435 \\ 62 \end{array}$ $\begin{array}{r} 534 \\ 26 \end{array}$ $\begin{array}{r} 328 \\ 54 \end{array}$?

- (a) $\begin{array}{r} 823 \\ 45 \end{array}$ (b) $\begin{array}{r} 527 \\ 28 \end{array}$
(c) $\begin{array}{r} 832 \\ 25 \end{array}$ (d) $\begin{array}{r} 438 \\ 26 \end{array}$

19. If $312 \times 225 = 54$, $127 \times 407 = 110$, $54 \times 36 = 126$, then $125 \times 232 = ?$

- (a) 70 (b) 82
(c) 56 (d) 116

20. Listen is to Hear as Look is to _____.

- (a) Watch (b) Observe
(c) See (d) Notice

Answers

| | | | |
|-----|---|-----|---|
| 1. | C | 11. | B |
| 2. | D | 12. | C |
| 3. | A | 13. | C |
| 4. | A | 14. | A |
| 5. | C | 15. | D |
| 6. | A | 16. | D |
| 7. | C | 17. | A |
| 8. | B | 18. | C |
| 9. | C | 19. | C |
| 10. | C | 20. | |

Intelligence Test 16

● Choose the correct answers:

1. A Lake is to Land as _____ is to Ocean.
 (a) Water (b) Island
 (c) Ship (d) Beach
2. What will come next in the following series:
 E_0V E_1W E_2X E_3Y ?
 (a) E_4Z (b) E_4Q
 (c) E_4W (d) E_0P
3. What will come next in the following series:
 Z X U Q ?
 (a) Q (b) L
 (c) R (d) P
4. A Municipality is to City as _____ is to a State.
 (a) Mayor (b) Governor
 (c) Legislature (d) Judiciary
5. What will come next in the following series:
 32 6 43 12 64
 (a) 43 (b) 28
 (c) 24 (d) 32
6. What will come next ?
 42 21 84 42 92 ?
 (a) 42 (b) 46
 (c) 44 (d) 48
7. Which of the following is a trait of character?
 (a) Skill (b) Sinarity
 (c) Poverty (d) Intelligence
8. What latter comes alphabetically in order in the letter MOTHER?
 (a) R (b) H
 (c) M (d) E
9. Which one is different from the rest?
 (a) Punjab (b) Lahore
 (c) Ravi (d) Karachi
10. Which one is different from the rest?
 (a) West and South (b) Hard and Soft
 (c) Short and Long (d) Hot and Cold
11. Which pair of number does not belong to the same class?
 (a) 2014-2010 (b) 1113-1105
 (c) 8-6 (d) 230-229
12. If $312 \times 536 = 84$

$$732 \times 423 = 132$$

$$\text{Then } 901 \times 3257 = ?$$

(a) 170

(c) 180

(b) 147

(d) 157

13. A is son of B but is not A's father. What is relationship of B to A.

(a) Father

(c) Mother

(b) Uncle

(d) Grandfather

14. What will come next?

14 16 18 20 ?

(a) 21

(c) 23

(b) 22

(d) 24

15. Friday is to August as Sunday is to _____.

(a) Tuesday

(c) October

(b) December

(d) November

16. Which word does not belong to the list?

(a) Sugar

(c) Spoon

(b) Dish

(d) Plate

17. If $1 \times 4 = 2$, $2 \times 4 = 8$, $3 \times 16 = 36$, $4 \times 9 = 48$ then $5 \times 36 = ?$

(a) 180

(c) 30

(b) 150

(d) 125

18. What will come next in the following series:

8 10 14 18 26 ?

(a) 32

(c) 36

(b) 34

(d) 30

19. What will come next in the following series:

48 24 20 10 6 3 ?

(a) 2

(c) 1

(b) -1

(d) 0

20. Watch is to Time as Barometer is to _____.

(a) Mercury

(c) Gas Cylinder

(b) Pressure

(d) Temperature

Answers

| | | | |
|-----|---|-----|---|
| 1. | b | 11. | b |
| 2. | a | 12. | a |
| 3. | b | 13. | c |
| 4. | c | 14. | b |
| 5. | c | 15. | c |
| 6. | b | 16. | a |
| 7. | b | 17. | b |
| 8. | d | 18. | b |
| 9. | d | 19. | b |
| 10. | a | 20. | c |



Intelligence Test 17

● Choose the correct answers:

1. X and Y are two brothers. B is A's brother but A is the mother of X. What is to Y.
 (a) Father (b) Brother
 (c) Son (d) Uncle
2. Breakfast is to Lunch as Lunch is to _____.
 (a) Meal (b) Fast
 (c) Dinner (d) Refreshment
3. If Rat is to Tar then Pit is to _____.
 (a) Tip (b) Fit
 (c) Bit (d) Sit
4. Insert the missing number:
 212 179 146 113 ?
 (a) 60 (b) 50
 (c) 70 (d) 80
5. Write the number of the pair which is different from the following:
 (a) Oil and Bottle (b) Arrow and Quiver
 (c) Letter and Postman (d) Mercury and Barometer
6. Find the odd-man out.
 (a) Gen. Musharraf (b) Hassan Sardar
 (c) Imran Khan (d) Jan Sher Khan
7. If $324 \times 150 = 54$
 $251 \times 402 = 48$
 $523 \times 246 = 120$
 Then $651 \times 345 = ?$
 (a) 120 (b) 85
 (c) 144 (d) 60
8. Complete the relationship in the following:
 PPRS is to RRTU as MMOP is to _____.
 (a) NNPO (b) TTVR
 (c) OOQR (d) MMOP
9. If Paint is coded as 74128 and Excel is coded as 93596, then how would you encode Accept?
 (a) 554978 (b) 455978
 (c) 547978 (d) 735961
10. Insert the missing number:
 214 (17) 325 523 (23) 247 157 (20) 412 268 (?) 315
 (a) 27 (b) 25
 (c) 24 (d) 29



11. If 8514 stands for Bead and 3165 stands for Late then which choice stand for the word Table?
 (a) 61835 (b) 61853
 (c) 86145 (d) 61358
12. Supply the missing letters in the following fractions.
 G/T, J/S, M/R, P/Q, _____.
 (a) A/P, V/O (b) S/Q, U/V
 (c) S/O, V/P (d) S/R, V/M
13. Bathing is to Pool, as Skating is to _____.
 (a) Snow (b) Rink
 (c) Stable (d) Costume
14. Honour is to Brave as Censure is to _____.
 (a) Honourable (b) Coward
 (c) Respectful (d) Common
15. Find the odd-man out :
 (a) Student (b) Engineer
 (c) Books (d) Teacher
16. Complete the relationship in the following:
 CFE is to GJI as SVU is to _____.
 (a) WZY (b) XYW
 (c) WYZ (d) VXX
17. If 42572 stands for World, then 7252 stands for _____.
 (a) Dolr (b) Oldr
 (c) Rold (d) Lord
18. Write the number of pair which is different from the others in the following.
 (a) Work and Play (b) Mellow and Savoury
 (c) Mutilate and Main (d) Jewel and Diamond
19. If STRIKE is written as UUTJMF, how will you express the word MELODY?
 (a) OGNQFZ (b) NGMQEZ
 (c) OFNPfZ (d) UFMPEZ
20. Find the odd-man out.
 (a) Window (b) Stable
 (c) Hut (d) Den

Answers

| | | | |
|-----|---|-----|---|
| 1. | D | 11. | A |
| 2. | C | 12. | A |
| 3. | A | 13. | B |
| 4. | D | 14. | B |
| 5. | C | 15. | B |
| 6. | A | 16. | A |
| 7. | C | 17. | D |
| 8. | C | 18. | A |
| 9. | B | 19. | C |
| 10. | B | 20. | A |



Intelligence Test 18

● Choose the correct answers:

- Laugh is to cry as _____ is to sad.

| | |
|-----------|-----------|
| (a) Tears | (b) Happy |
| (c) Go | (d) Smile |
- Find the odd-man out.

| | |
|----------|-----------|
| (a) Long | (b) Chop |
| (c) Cut | (d) Shave |
- My mother is the sister of your brother. What relation am I to you?

| | |
|------------|----------------|
| (a) Uncle | (b) Nephew |
| (c) Cousin | (d) Son-in-Law |
- A mare does not always have a _____.

| | |
|----------|-----------|
| (a) Tail | (b) Teats |
| (c) Colt | (d) Teeth |
- If 5234 stands for Ring and 6109 stands for Fast, then what does 095234 stand for?

| | |
|------------|------------|
| (a) Strong | (b) Spring |
| (c) String | (d) Stink |
- Hear is to Ear as Close is to _____.

| | |
|-----------|----------|
| (a) Lose | (b) End |
| (c) Begin | (d) Door |
- Which one is different from the rest?

| | |
|----------|------------|
| (a) Two | (b) Twenty |
| (c) Four | (d) Five |
- Insert the missing number:
 47 (76) 323
 857 (133) 591
 642 (?) 274

| | |
|---------|---------|
| (a) 180 | (b) 185 |
| (c) 184 | (d) 190 |
- What comes only once in Danger but twice in Ranger?

| | |
|-------|-------|
| (a) E | (b) D |
| (c) A | (d) R |
- Write the middle letter:
 B C D E F G H

| | |
|-------|-------|
| (a) D | (b) C |
| (c) E | (d) F |
- Insert the missing number:
 17 (112) 39
 28 (?) 49

| | |
|---------|---------|
| (a) 154 | (b) 178 |
| (c) 160 | (d) 139 |
- A is to E as C is _____.

- (a) G (b) F
(c) I (d) H

13. What letter comes next in series?

A C F J O ?

- (a) S (b) U
(c) V (d) T

14. What will come next in the following series:

Z X U Q ?

- (a) R (b) Q
(c) L (d) P

15. If Fight stands for 74352, then Fit stands for _____.

- (a) 472 (b) 274
(c) 742 (d) 247

16. If where stands for 34525, then. Were stands for _____.

- (a) 3552 (b) 5523
(c) 3525 (d) 5325

17. What will come next?

$$7 + 2 - 1 = H$$

$$22 + 6 - 5 = W$$

$$11 + 6 - 2 = ?$$

- (a) N (b) O
(c) P (d) M

18. Which one is different from the rest?

- (a) IJ (b) CE
(c) GI (d) AC

19. Insert the missing number.

4 5 7 11 19 ?

- (a) 40 (b) 30
(c) 45 (d) 35

20. Which one is different from the rest?

- (a) LO (b) DG
(c) HK (d) AC

Answers

| | | | |
|-----|---|-----|---|
| 1. | B | 11. | A |
| 2. | A | 12. | A |
| 3. | B | 13. | B |
| 4. | C | 14. | C |
| 5. | C | 15. | C |
| 6. | A | 16. | C |
| 7. | D | 17. | B |
| 8. | C | 18. | A |
| 9. | D | 19. | D |
| 10. | C | 20. | D |



Intelligence Test 19

● Choose the correct answers:

1. What will come next?

5 12 7 14 9 16 ?

(a) 8

(b) 18

(c) 11

(d) 20

2. What number comes next in the following series:

ABCD BCDE CDEF DEFG ?

(a) EFGH

(b) EFHG

(c) GHEF

(d) EFGHI

3. Which one is different from the rest?

(a) New York

(b) Lahore

(c) Beijing

(d) Tehran

4. Which one is different from the rest?

(a) LO

(b) DG

(c) AC

(d) HK

5. If Fact stands for 4257, then Fat stand for _____.

(a) 472

(b) 427

(c) 247

(d) 742

6. What will come next in the following series:

6, 9, 13, 16, 20, 23 _____.

(a) 26, 29

(b) 27, 29

(c) 27, 30

(d) 26, 30

7. What will come next in the following series:

2, 6, 11, 17, 24, 32, 41, _____.

(a) 52, 62

(b) 52, 64

(c) 51, 62

(d) 51, 61

8. A grandfather is always _____ than his daughter.

(a) Heavier

(b) Wiser

(c) Taller

(d) Experienced

9. If 35261 stand for Tears, then 153 stand for _____.

(a) Set

(b) Ste

(c) Tes

(d) Est

10. What will come next in the following series:

7 10 9 12 11 ?

(a) 14 13

(b) 12 14

(c) 13 14

(d) 14 11

11. Scooter is to Petrol as Truck is to _____.
(a) Fuel (b) Diesel
(c) Oxygen (d) Petrol

12. What will come next in the following series :

21 5 19 7 17 9 _____, _____

- (a) 15, 11 (b) 13, 7
(c) 11, 7 (d) 15, 13

13. What will come next?

ACEG HJLN OQSU _____

- (a) VXYB (b) VXYZ
(c) VXZB (d) VXZA

14. If you are the eleventh in a queue starting from either end, how many persons are there in the queue:

- (a) Twenty-one (b) Twenty
(c) Eleven (d) Twenty-two

15. If Dozen stands for 35712, then Den stands for _____.

- (a) 312 (b) 123
(c) 231 (d) 213

16. If Guide stands for 35214, then Dug stands for _____.

- (a) 351 (b) 513
(c) 153 (d) 531

17. Flexible is to Steel as Brittle is to _____.

- (a) Gold (b) Chalk
(c) Zinc (d) Iron

18. Sky is to Aeroplane as Land is to _____.

- (a) Train (b) Cart
(c) Car (d) Tonga

19. What will come next in the series?

2 3 8 63 ?

- (a) 6938 (b) 8369
(c) 3968 (d) 8663

20. If 12345 means Claim, then 1325 stands for _____.

- (a) Male (b) Lane
(c) Salm (d) Calm

21. If System stands for 252146, then Stem stands for _____.

- (a) 1426 (b) 1642
(c) 2146 (d) 1246

22. If 2334576 stands for Efforts, then 3457 stands for _____.

- (a) Fort (b) Ftor
(c) Roft (d) Frot



23. Which one is different from the rest?

(a) Mango

(b) Orange

(c) Melon

(d) Carrot

24. If 215734 stands for Nature, then Near stands for _____.

(a) 2413

(b) 4213

(c) 1342

(d) 1324

25. If 75312 stands for Sweat, then 712 stands for _____.

(a) Tea

(b) Sat

(c) Eat

(d) Set

Answers

| | | | | | |
|-----|---|-----|---|-----|---|
| 1. | c | 11. | b | 21. | c |
| 2. | a | 12. | a | 22. | a |
| 3. | a | 13. | c | 23. | d |
| 4. | c | 14. | a | 24. | a |
| 5. | b | 15. | a | 25. | b |
| 6. | c | 16. | c | | |
| 7. | c | 17. | b | | |
| 8. | c | 18. | a | | |
| 9. | a | 19. | c | | |
| 10. | a | 20. | d | | |

Intelligence Test 20

● Choose the correct answers:

1. Sailor is to Air Force then Airman is to _____.
 (a) Navy (b) Shopkeeper
 (c) Cobbler (d) Army
2. A man is always _____ than his son.
 (a) Taller (b) Older
 (c) Darker (d) Wiser
3. What will come next?
 9 10 19 20 29 30 _____, _____.
 (a) 25, 26 (b) 39, 40
 (c) 31, 32 (d) 27, 28
4. Which is different from the rest?
 (a) Book (b) Plate
 (c) Glass (d) Cup
5. Which word is different in the following:
 (a) Godown (b) Shop
 (c) Stall (d) Market
6. Find the odd-man out.
 (a) D.I. Khan (b) Gujrat
 (c) D.G. Khan (d) Multan
7. What letter comes alphabetically in order in the word "Budget"?
 (a) E (b) D
 (c) G (d) B
8. What will come next in the following series:
 3, 5, 9, 15, 23, 33, 45 _____, _____.
 (a) 60, 75 (b) 59, 76
 (c) 60, 76 (d) 59, 75
9. What will come next in the following series:

$$\frac{425}{16} \quad \frac{61}{524} \quad \frac{345}{61}$$
 (a) $\frac{16}{534}$ (b) $\frac{16}{543}$
 (c) $\frac{345}{16}$ (d) $\frac{16}{345}$
10. Write next number in the series:
 55 56 59 64 71 ?



- (a) 80 (b) 78
(c) 75 (d) 77
11. Find the odd-man out.
(a) Oil (b) Lamp
(c) Candle (d) Bulb
12. It takes two minutes to boil an egg. Then five eggs will be boiled in _____ minutes.
(a) 20 (b) 2
(c) 15 (d) 10
13. What will come next in the following series:
1 8 64 512 ?
(a) 4069 (b) 6904
(c) 4096 (d) 6049
14. What will come next in the following series:
7 11 16 22 26 31 ?
(a) 34 (b) 37
(c) 39 (d) 36
15. Find the odd-man out.
(a) Punjab (b) Sindh
(c) Sukkur (d) Balochistan
16. Ali and Nasir are brothers, Ozair and Azvar are their sons, what is the relation with between Ozair and Azvar?
(a) Cousin (b) Nephew
(c) brother-in-law (d) Uncle
17. What letter comes alphabetically in the word FLUCTUATION?
(a) N (b) I
(c) U (d) F
18. Which one is different from the rest?
(a) Mosque (b) University
(c) College (d) School
19. Find the odd-man out.
(a) Shark (b) Rabbit
(c) Whale (d) Shrimp
20. Cat is to Kitten as Dog is to _____.
(a) Baby (b) Puppy
(c) Duckling (d) Cub
21. What will come next?
5 25 7 35 9 ?
(a) 30 (b) 40
(c) 50 (d) 45
22. Lahore is to Punjab as _____ is to NWFP.

- (a) Mardan
(c) Peshawar

- (b) Karachi
(d) Quetta

23. Complete the following series:

1 100 2 99 3 ?

- (a) 98
(c) 97

- (b) 90
(d) 93

24. Which one does not belong to the list?

- (a) Sparrow
(c) Cat

- (b) Crow
(d) Parrot

25. What will come next in the following series:

4 9 16 25 36 49 ?

- (a) 60
(c) 53

- (b) 54
(d) 64

Answers

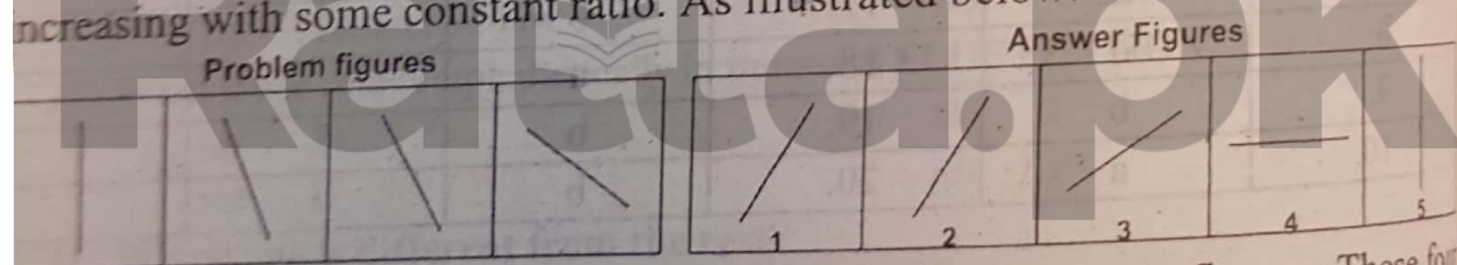
| | | | | | |
|-----|---|-----|---|-----|---|
| 1. | a | 11. | a | 21. | d |
| 2. | b | 12. | b | 22. | c |
| 3. | b | 13. | c | 23. | a |
| 4. | a | 14. | b | 24. | c |
| 5. | a | 15. | c | 25. | d |
| 6. | a | 16. | a | | |
| 7. | a | 17. | b | | |
| 8. | d | 18. | a | | |
| 9. | b | 19. | b | | |
| 10. | a | 20. | b | | |

Non-verbal intelligence tests, also known as matrices test, require utmost presence of mind, lot of common sense, unwavering attention and sharp wit. These tests do not require any proficiency in any language to solve the problem. Moreover, a candidate is not required to draw any figure or diagram. The question in these tests is the problem in form of figures, designs and drawings. With every question, various alternate answers are given and the candidate is required to spot the correct answer and to write its number only in the space provided for it in the separate answer sheet.

Non-verbal tests can be of various types depending upon its relation with the objects, nature of functioning etc. But for brevity, we shall be discussing only the most relevant and commonly used test. These are mainly of three types, viz.,

- (i) Series, (ii) Analogies, and (iii) Classification.

Series: Series are those types of figures where the occurrence of each item becomes a series in itself. The movement or position of the figure can be predicted on the basis of the occurrence of the previous figures. These make a series of occurrence. For example, in the first diagram if one line is shown, the second diagram has more than one lines. Similarly, the number of lines goes on increasing with some constant ratio. As illustrated below:

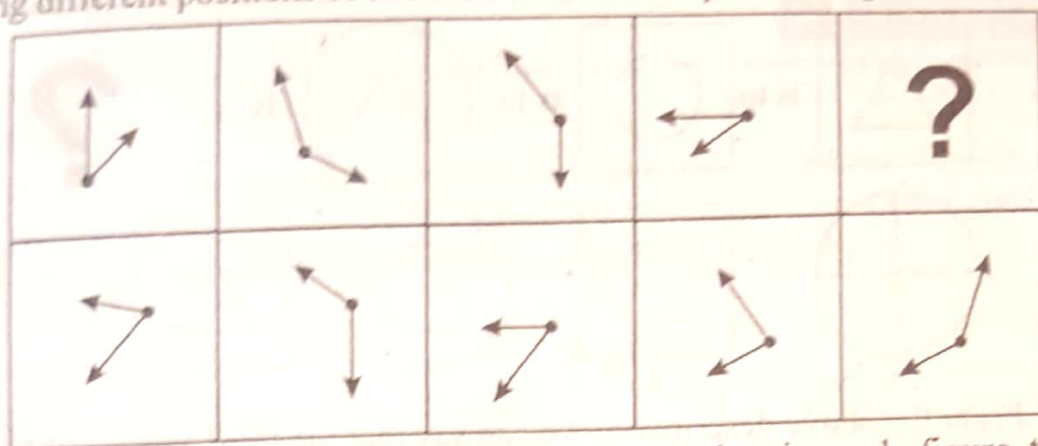


The four figures on the left hand side are called problem figures. These four problem figures make a series. That means they change from left to right in a specific order. We have to answer a query, on the basis of these figures that if the figures continue to change in the same order what would be the shape of the fifth figure. The five figures on the right hand side are called answer figures. They are indicated by letters 1, 2, 3, 4 and 5. We have to select the fifth most appropriate figure from the set of these five figures.

If we look at the above figure, we find that the line in the problem figures is falling down from left to right. The position of the fifth item would be lying flat or horizontal. Answer figure 4 is the appropriate answer.

In order to make our analysis more clear, we shall take another example.

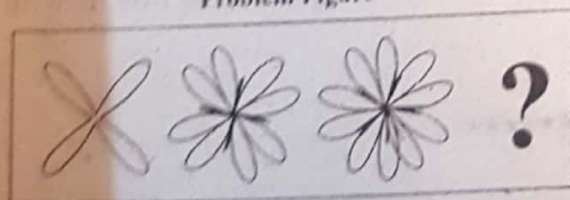
showing different positions of two hands of a watch problem figure.



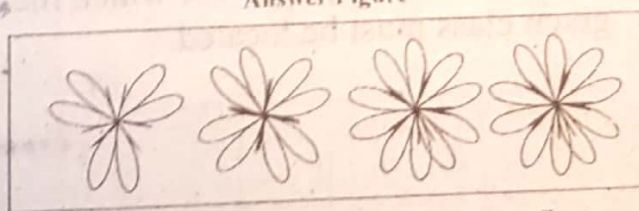
From the above problem figure, it is clear that in each figure the time difference is one hour and fifty-five minutes. First figure shows the time as 2 O'clock, the second figure is five minutes to four whereas the third figure shows ten minutes to six and the last (fourth) figure shows quarter to eight. If we again add one hour and fifty-five minutes, the answer will be twenty minutes to ten. In the answer figure, the minute hand should be at 8 and hour hand should be nearer to 10. Thus, figure 1 in the answer figure is correct.

Analogies. In analogies type of non-verbal test, the figures, designs or drawings are given in two times. The first represent the problem figures, where one of the items is missing. The candidate has to analyse the problem from the given set of other figures, which is generally named as 'answer figures'. The appropriate figure number is to be written in the vacant column box. Analogy means an agreement or correspondence in certain respect between the things which are otherwise different. Sometimes, the problem figure is presented into two units. The first unit contains two figures and the second unit contains one figure and a question mark is placed in the space allotted for fourth figure. The candidate has to find out which one of the answer figures should be in place of the question mark.

Problem Figure



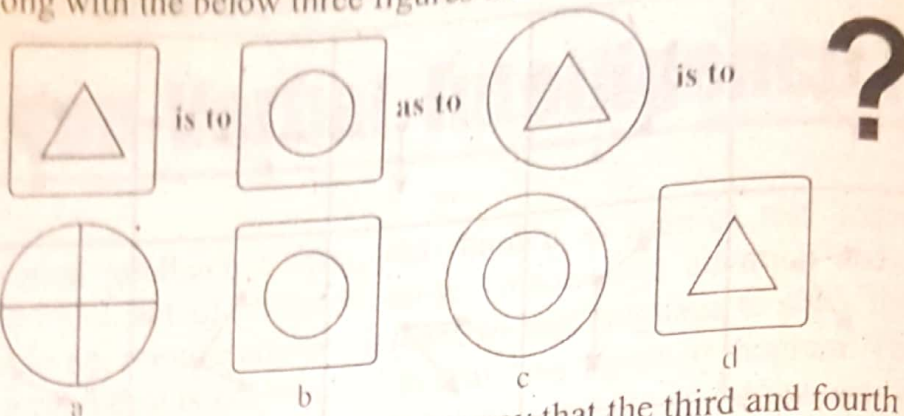
Answer Figure



In the above problem figure, there exists a relationship between first and second figure. The first figure is made of four rings and the second figure contains five rings. The third figure is made of five rings where the fourth figure is to find out from the answer figure. Thus, choice 2 is correct as it has one more ring than the third.

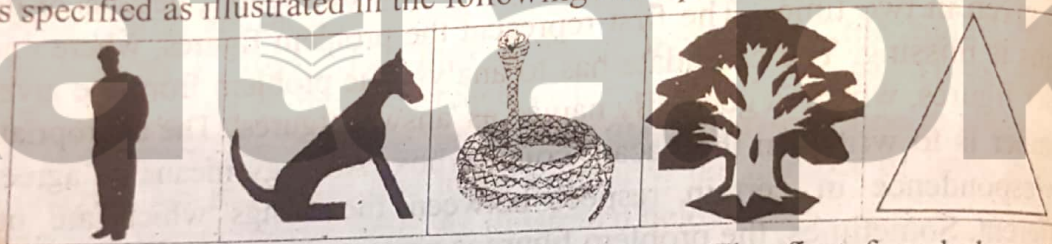
Sometimes, the first two figures are shown as follows:

Along with the below three figures the answer pattern is expressed as:



From the above description, we can say that the third and fourth figures must have the same relationship as the first and second have. Since the third figure 'C' is a circle so the fourth should have two circles. Hence, answer figure C is the correct choice.

Classification: In classification, the problem figure is also given in the answer figure. In the answer figure, all except one figure does not have any relationship with the other. In other words, one figure does not belong to the whole class. The candidates have to find out which figure does not belong to the class specified as illustrated in the following example:



In the above example, there are five figures. The first four belong to one class as they represent living being whereas the fifth is triangle, does not belong to the living being. Thus, the correct choice is E.

Find the odd man out which means that the item which does not fit with the given class must be located.

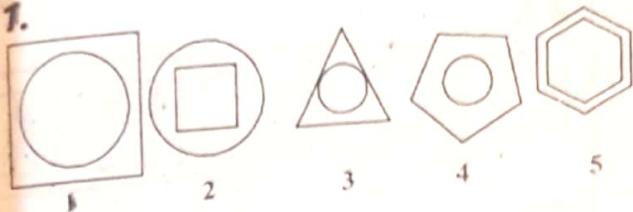


CLASSIFICATION

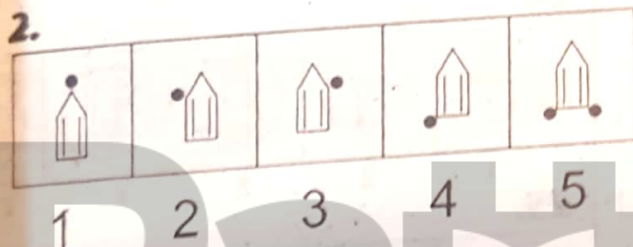
Direction:

The following problem figures themselves are also the answer figures. Out of the five figures 1, 2, 3, 4, 5, four are similar in a certain way. One figure is not like the other four. Choose the figure which is different from the rest.

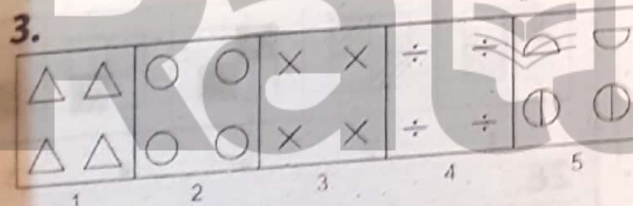
1.



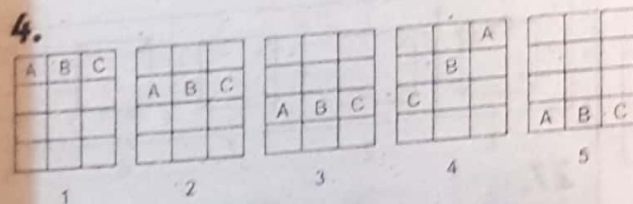
2.



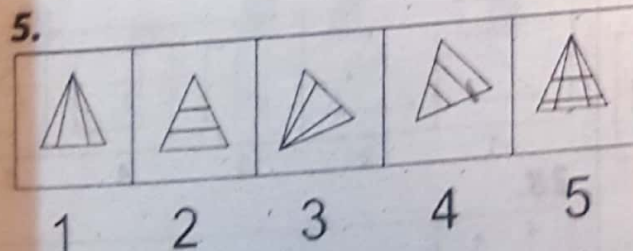
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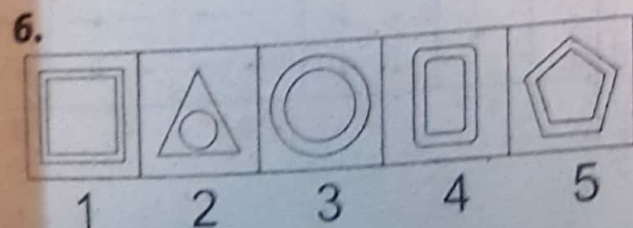
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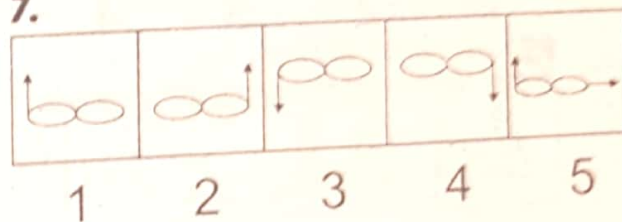
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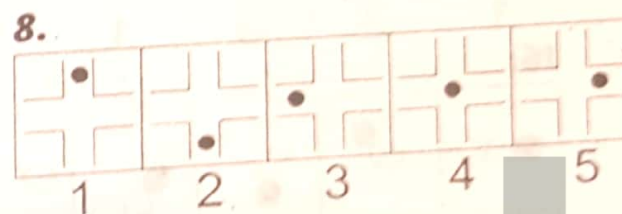
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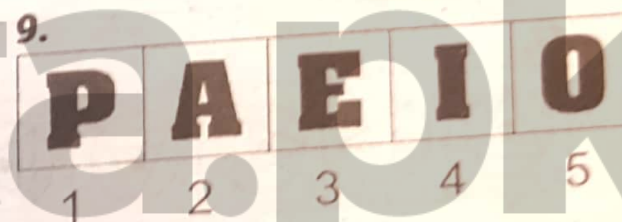
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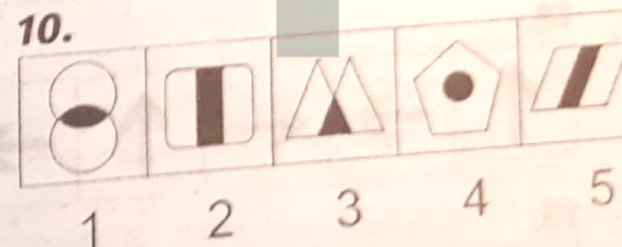
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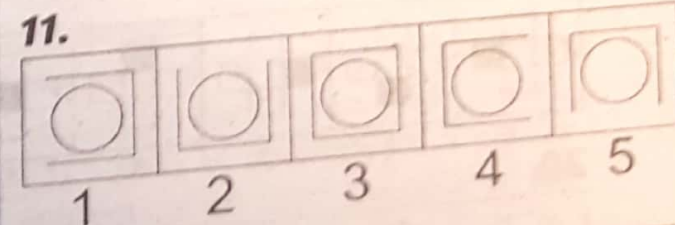
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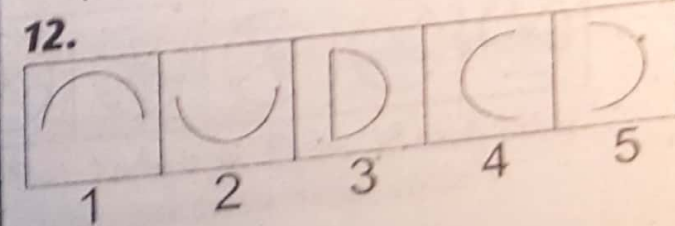
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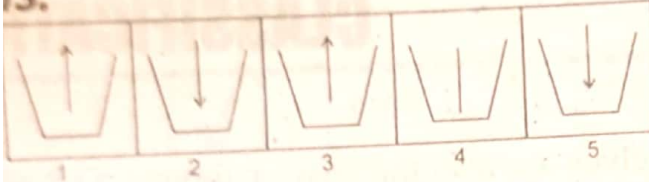
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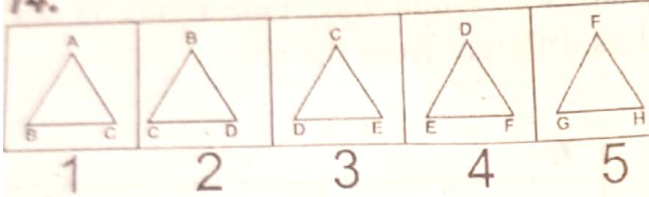
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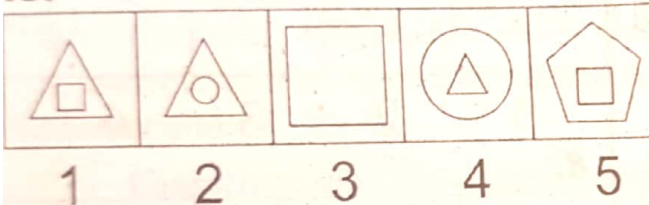
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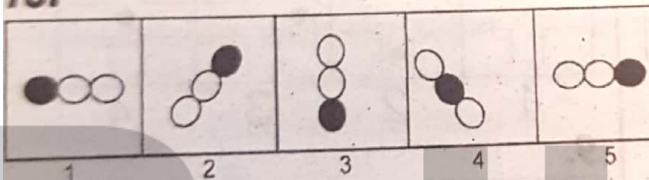
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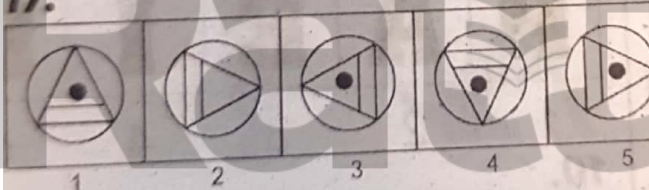
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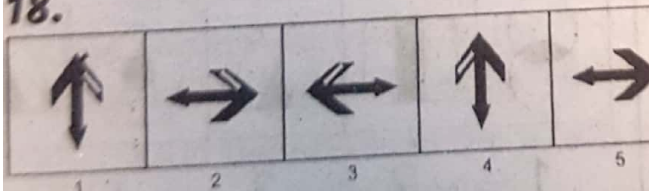
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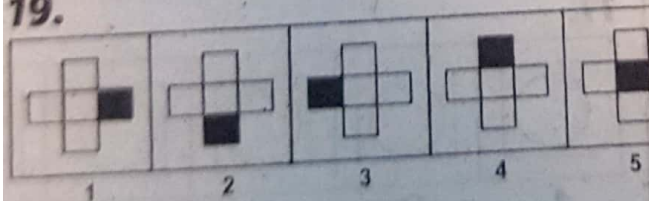
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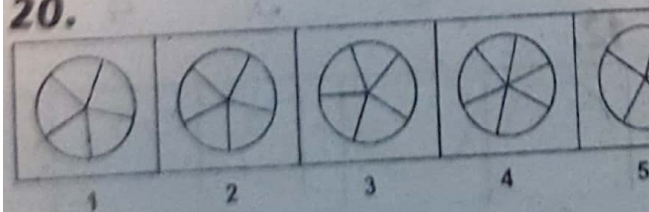
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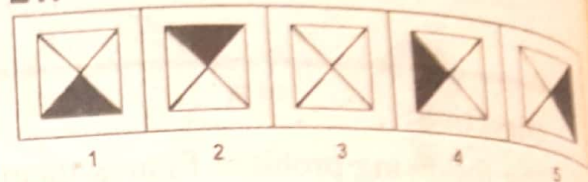
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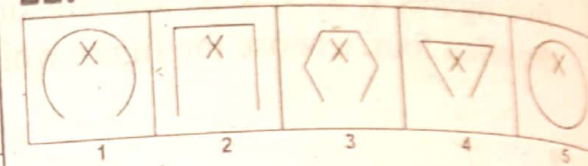
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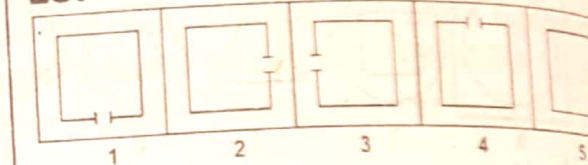
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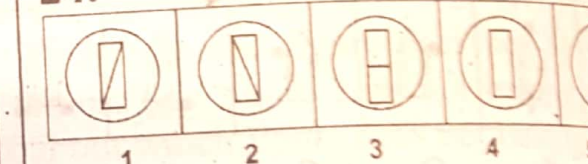
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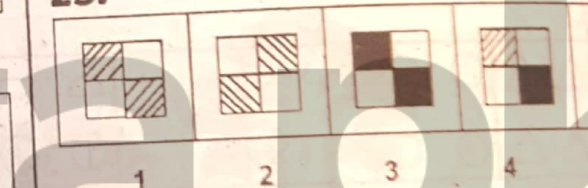
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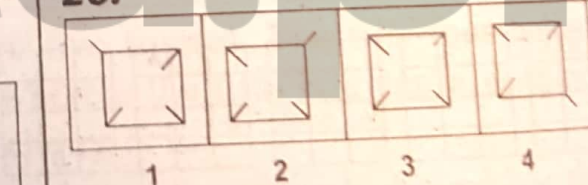
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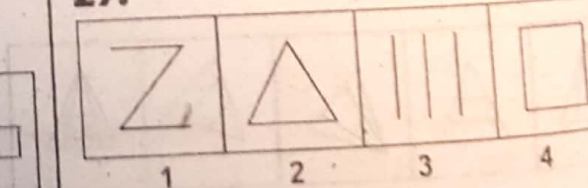
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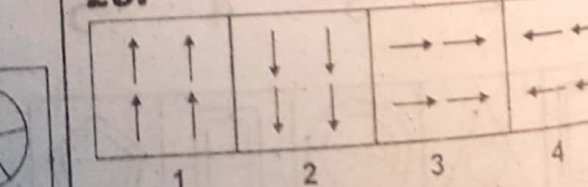
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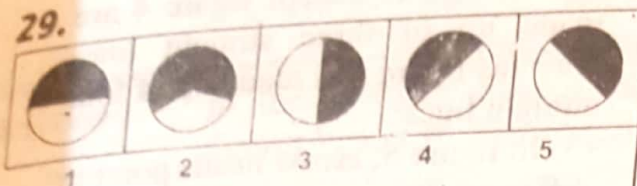
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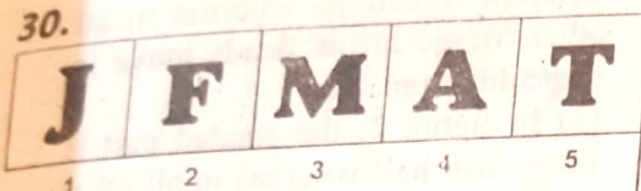
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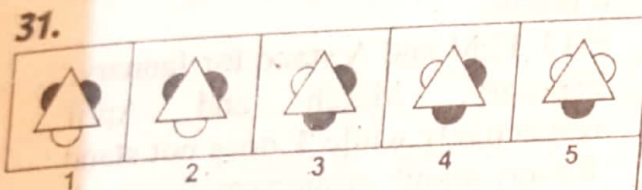
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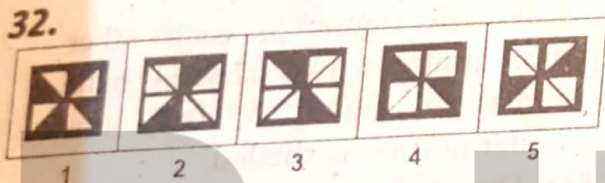
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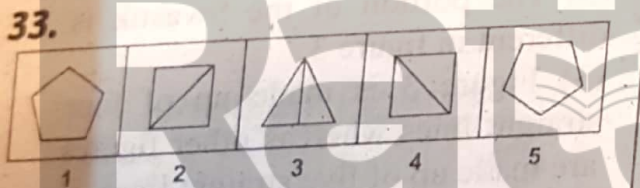
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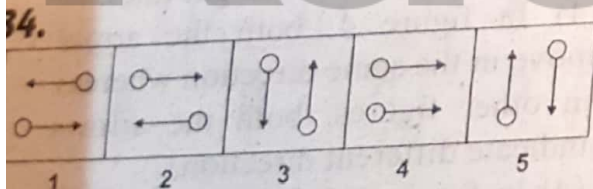
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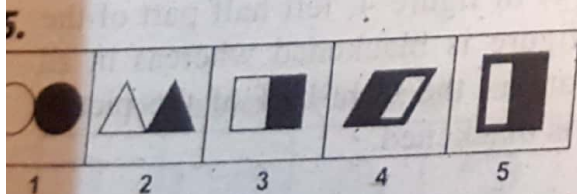
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34.



35.



Explanatory Answers

1. (5) Except figure 5, each figure is made up of two different types of units contain at least one circle.
2. (5) Figure 5 contains two circles whereas in all other figures only one circle is attached to the end.
3. (5) Except figure 5 all other figures contain identical figures in each square.
4. (4) Except in figure 4 each figure contains A, B and C are in the straight row horizontally.
5. (5) Except figure 5 each other triangle is divided into 3 parts whereas figure 5 is divided into more than three parts.
6. (2) Except figure 2, all other contain similar figures whereas figure 2 contains circle in triangle.
7. (5) All figures except 5 contain one arrow at one end. Figure 5 contains two arrow heads.
8. (4) Figure 4 contains dot in the centre of the crossing whereas in all other figures dots lie in the lane.
9. (1) A, E, I and O are vowels of English Alphabet whereas P is consonant.
10. (4) Except in figure 4, common part of the each figure is blackened.
11. (3) Circle is enclosed in a square whereas in all other one side of the square is opened.
12. (3) Figure 3 is closed whereas others are open.
13. (4) Except in figure 4, each other figure has arrow as indicator.



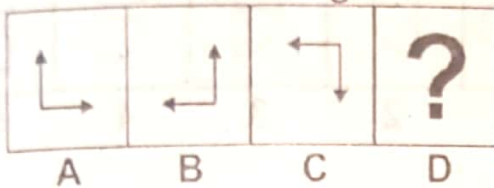
14. (5) Figures 1 to 4 are in systematic manner, ABC, BCD, CDE, DEF and figure 5 should have EFG as the name of the edges not FGH.
15. (3) All figures except figure 3 contain two different geometrical figures whereas figure 3 contains only one geometrical figure.
16. (4) In figure 4, central loop is blackened whereas in other figures side loop is blackened.
17. (2) Each figure except figure 2 contain dot inside the triangle.
18. (5) In figure 5, both parts are shaded whereas in other figures only one part is shaded.
19. (5) In figure 5 the central square is shaded whereas in others side squares are shaded.
20. (4) In figure 4, the circle is divided into five unequal parts.
21. (3) In figure 3, no portion is blackened whereas in other one-fourth part is blackened.
22. (5) Figure 5 is only a closed figure whereas other figures are opened.
23. (5) Except in figure 5, in all other figures squares are broken by an outlet.
24. (4) In all figures except figure 4, rectangle within the circle is divided into two units.
25. (4) In figure 4, one segment is shaded and one segment is blackened, whereas in all other figures either two segments are shaded or blackened.
26. (3) Except in figure 3, where all the bars are inside, in all other figures one bar is outside the rectangle.
27. (4) All figures except figure 4 are made up of three straight lines whereas figure 4 is made up of four straight lines.
28. (5) In figure 5, arrow heads point in different directions whereas in all other, figure arrow heads move in same direction.
29. (2) In figure 2, the shaded part is more than half whereas in all other it is half.
30. (5) J, F, M and A stand for January, February, March and April respectively while T does not stand for any month of the year.
31. (5) Except figure 5, each other figure contains two shaded balls whereas in figure 5, only one circular portion is shaded.
32. (3) The portion of the Swastik is different in figure 3.
33. (3) Figure 3 is made up of four straight lines whereas other figures are made up of five straight lines.
34. (4) In figure 4, both the arrow move in the same direction whereas in other figures, both the arrows indicate different direction.
35. (4) In figure 4, left half part of the figure is blackened whereas in all others the right-half of the picture is blackened.

ANALOGIES

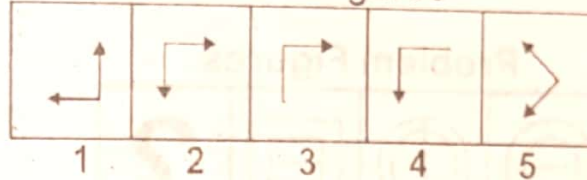
Directions:

In the problem figures, there is a definite relationship between figures A and B. Establish the similar relationship between figures C and D by choosing a suitable figure from the set of answer figures.

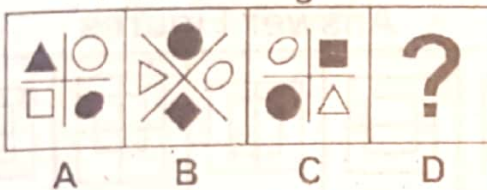
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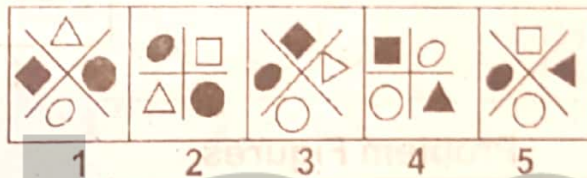
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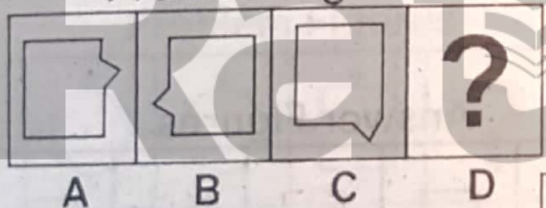
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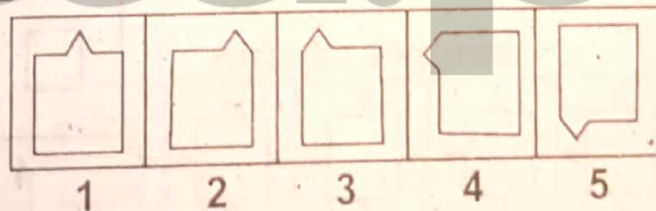
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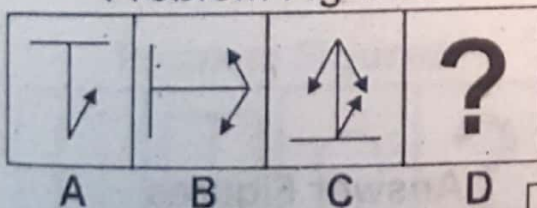
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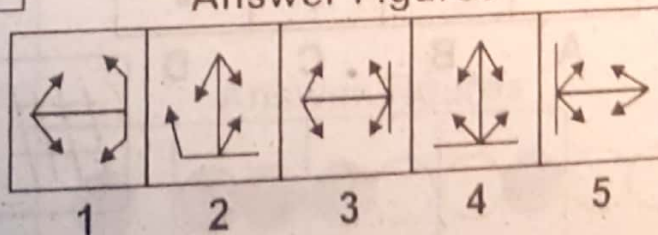
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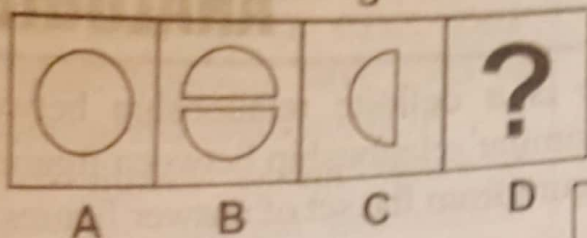


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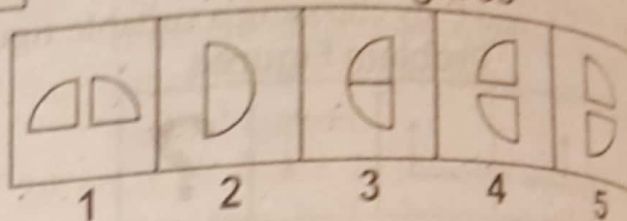


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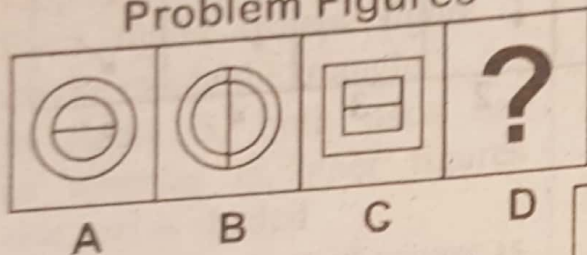


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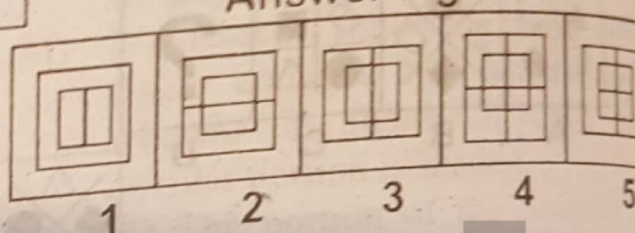


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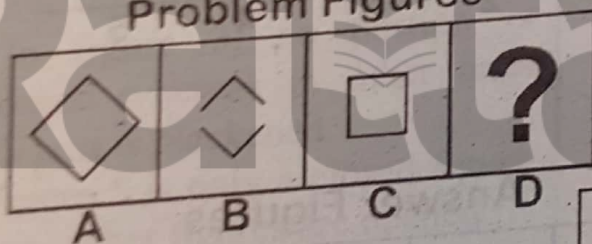


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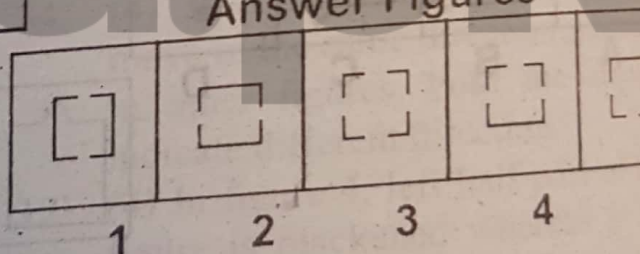


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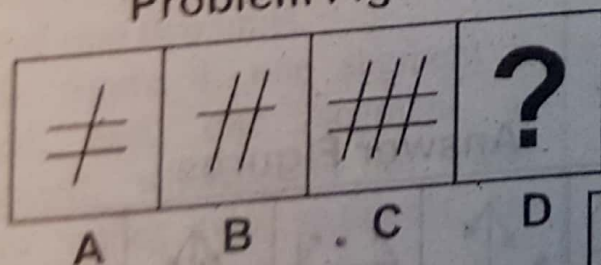


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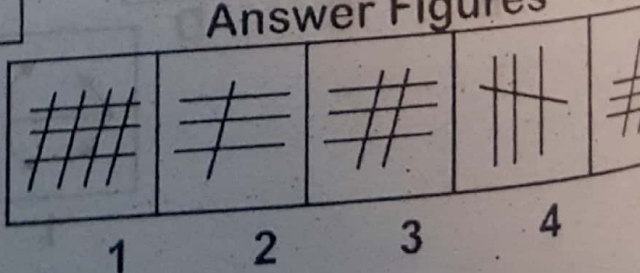


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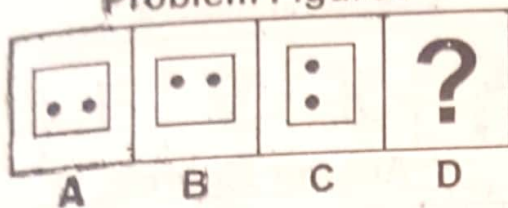
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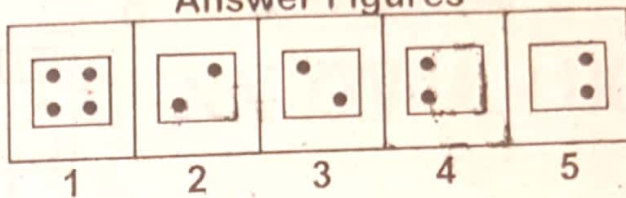
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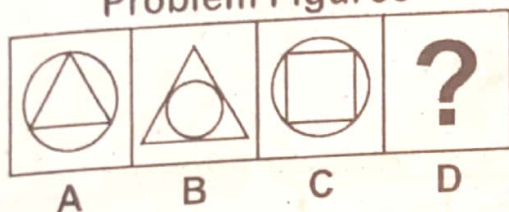
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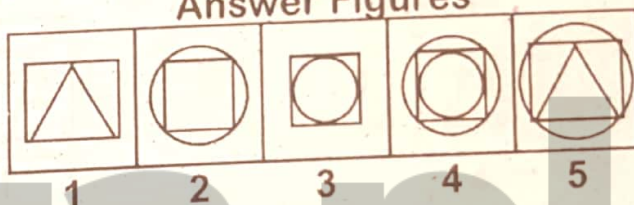
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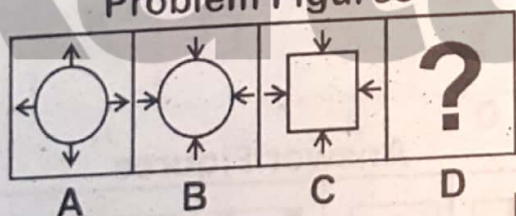
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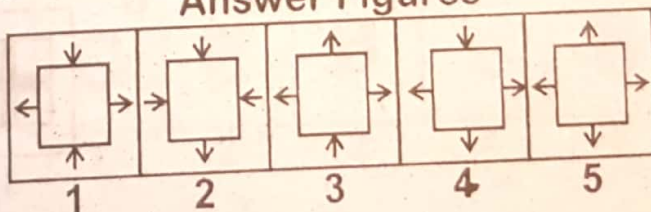
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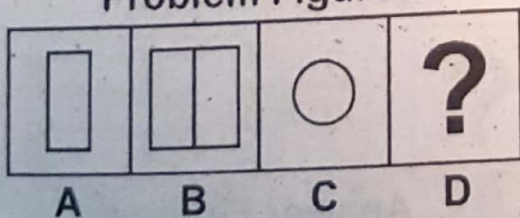
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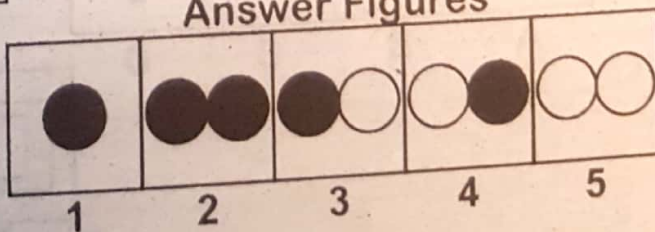
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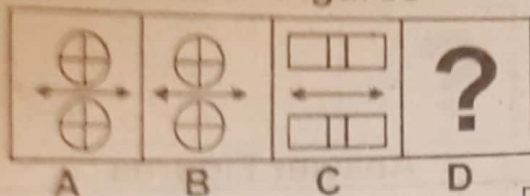


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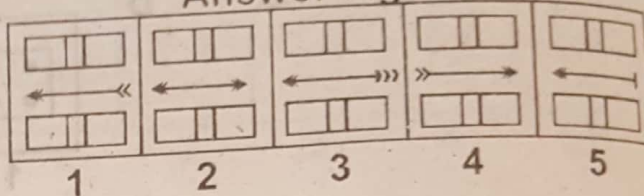


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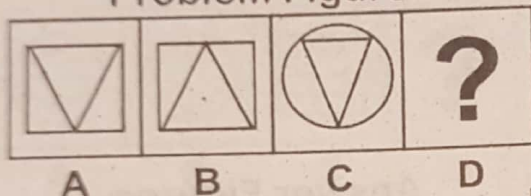


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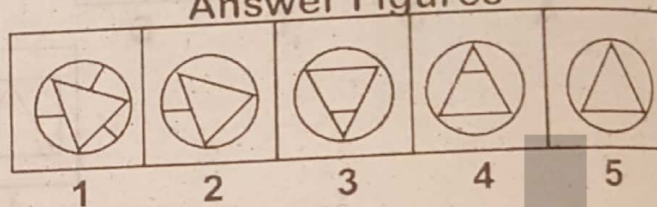


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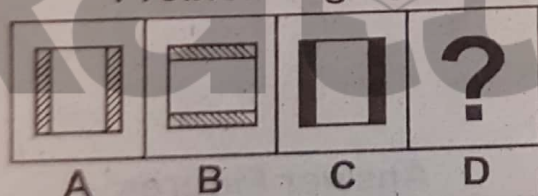


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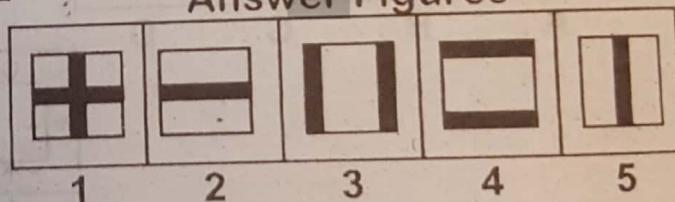


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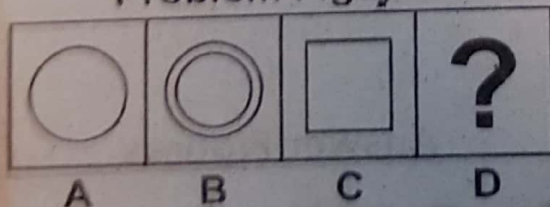


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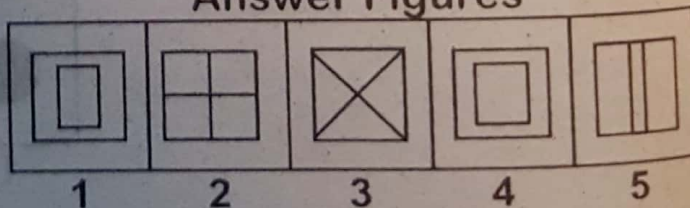


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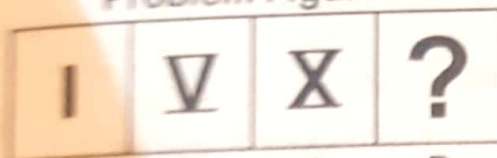
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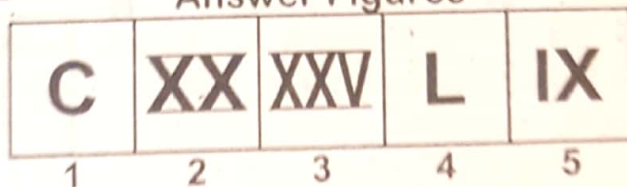
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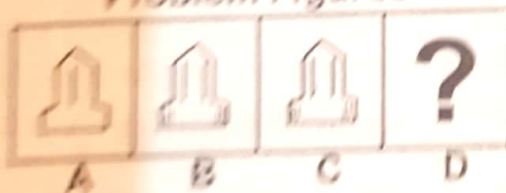
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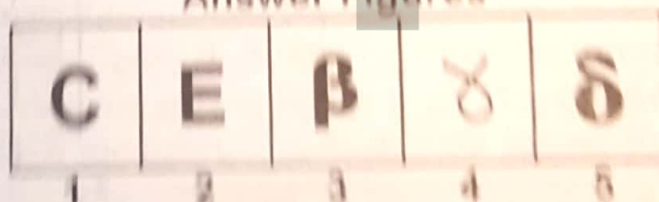
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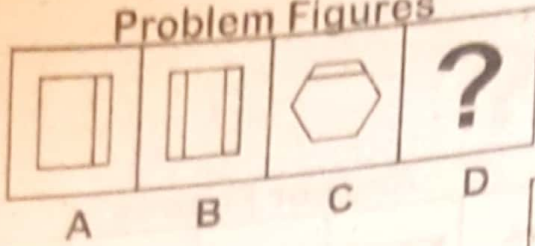


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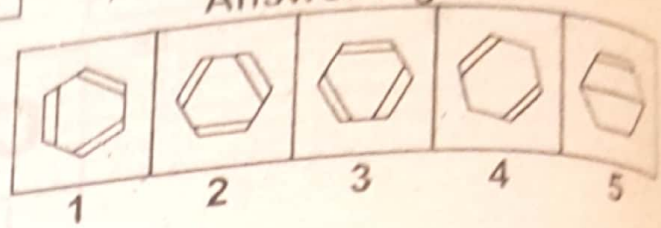


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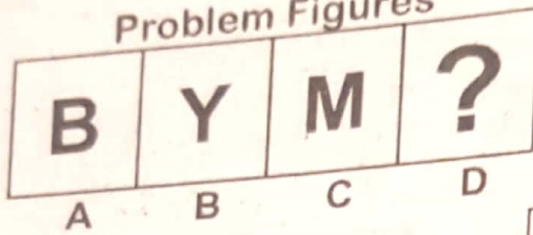


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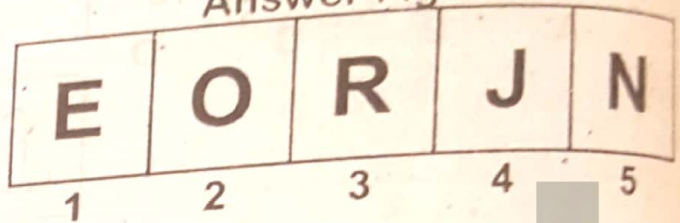


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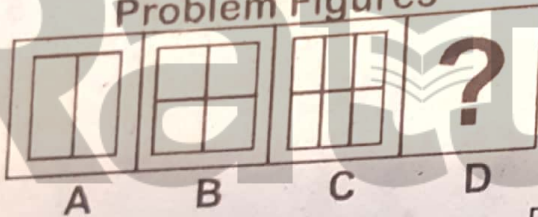


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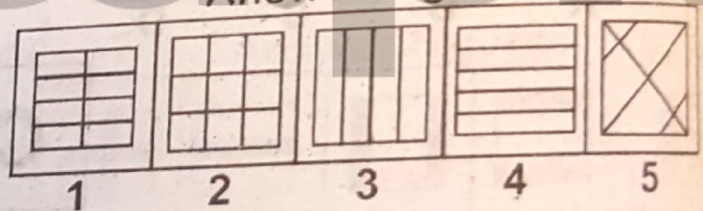


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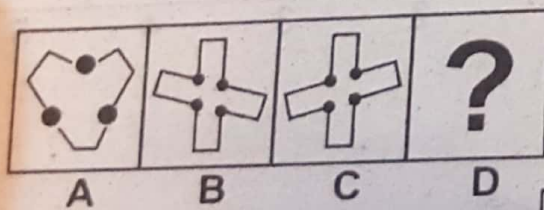
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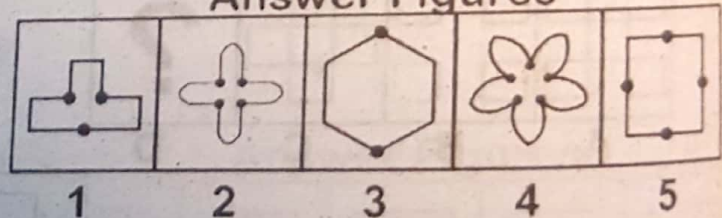
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24.



Answer Figures





Explanatory Answers

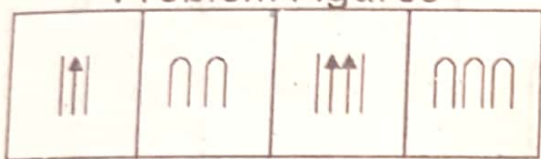
1. (2) Figure A is been rotated through an angle of 90° in the anti-clockwise direction gives figure B. On analogy, we get the answer figure 2 from the problem figure C. 2. (5) Figure A is rotated anti-clockwise through an angle of 45° . Black portion turns into white and vice versa to give figure B. On analogy, in figure C, give answer figure as 5. 3. (3) Figure B can be obtained from figure A by rotating it through an angle of 180° . On analogy, answer figure is obtained by rotating figure C. 4. (3) Figure B can be obtained by rotating figure A by 90° , and adding one arrow. On analogy, the answer figure (3) is obtained by changing it 90° and adding one arrow. 5. (4) Figure B is obtained by dividing figure A into two equal parts and on analogy answer figure (4) is obtained by dividing the figure C into two equal parts. 6. (3) Figure B is rotated through an angle of 90° and the line in the middle is extended on both the sides to meet outer circle to get figure B. On analogy, changes in figure C give answer figure 3. 7. (2) Figure A is divided horizontally into two parts in figure B. Similarly, figure 2 in the answer figure can be substituted for figure C. 8. (3) Figure B is obtained by replacing the horizontal lines to slanting lines. Thus, figure 3 can be well-suited in the vacant space of figure D. 9. (5) Two dots are shifted to opposite sides of the other figure. Thus figure 5 is the correct choice as analogy to C. 10. (3) The position of triangle and circle in figure A has been interchanged in figure B. Similarly, square and circle have been interchanged in answer figure 3. 11. (5) The direction of arrow head when reversed in figure A gives the figure B. Similarly, when the direction of arrow head is reversed in figure C gives the answer figure 5. 12. (5) Figure B is double than the figure A. Similarly, when the figure C is double the answer figure 5 is an appropriate choice. 13. (3). The only difference in figure A and B is the shifting of one arrow head from left hand side to right hand side. Similar change is available in figure 3 which produces the solution. 14. (5) The position of triangle in figure 'A' is reversed in figure B. Similarly, the position of triangle in figure C, should be reversed in figure D. Hence, answer figure '5' (i) is the correct choice. 15. (4) Shaded portion in figure 'A' is along vertical sides and the shaded portion in figure B is along the horizontal side. The black portion in figure C is on the vertical sides. Thus, the black portion in figure D should be along the horizontal side. Hence, answer figure 4 is an appropriate choice. 16. (4) In figure 'A' there is one circle whereas in figure B there are two circles. Figure C contains one square. On analogy figure D should contain two squares. Hence, answer figure 4 is the correct choice. 17. (4) In the problem figure A, Roman Letter I is

shown whereas in figure B letter V is shown, which is five-fold of A. In figure C letter X is shown and hence in figure D 'L' is the right choice. 18. (2) The number of vertical lines in figure B is double of figure 'A'. Similarly, in figure D 'I' is the right choice. 19. (5) In English alphabet A is to D and a similar relation exists in Greek alphabet between α and β . Hence, answer figure 2 is the correct choice. 20. (2) The central square when eliminated from figure 'A' gives figure B. Similarly, when we change the central square of figure C, we get answer figure 2. 21. (3) In figure A, stripes are attached to one side whereas in B, the stripes are attached to alternate sides. Similarly, in figure C, stripes are attached to one side and in figure 'D' there should be stripes attached to all the alternate sides. Hence, answer figure 3 is the correct choice. 22. (5) B is the second letter of English alphabet from the beginning and so is the case with Y from the end. M is the 13th letter from the beginning and 'N' is the 13th letter from the end. 23. (2) Figure B is obtained from figure A by adding one horizontal line. Similarly, figure D can be obtained by adding one horizontal line to figure C. We get answer figure 2 as correct choice. 24. (4) The figure 'A' is made up of three similar type units. Figure 'B' contains four similar type units, one more than the figure 'A'. Similarly, in figure D, there should be 5 similar units one more than given in figure C. Hence, answer figure 4 is the correct choice.

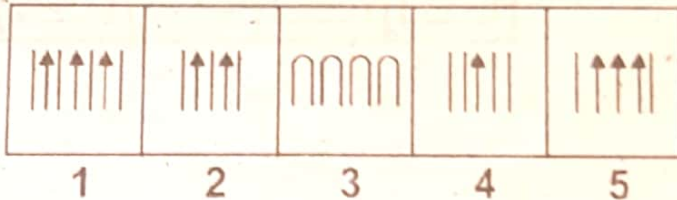
actions:

There are two sets of figures. One set is called problem figures. Other set is called answer figures. Problem set figures form some kind of series. What you have to do is to select one figure from the answer set figures which will continue the same series as given in the problem set figures.

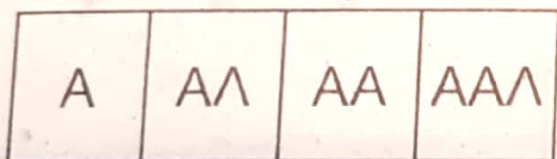
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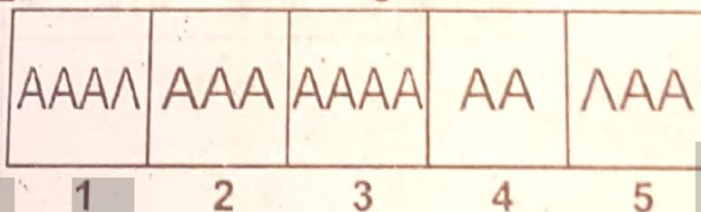
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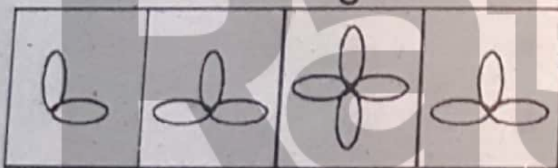
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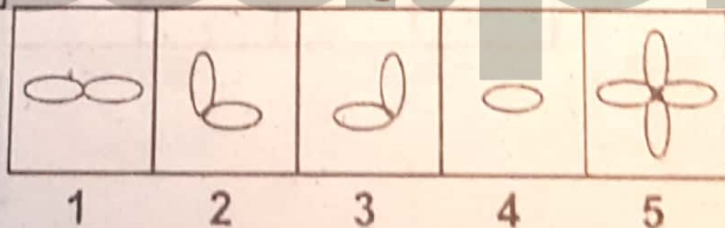
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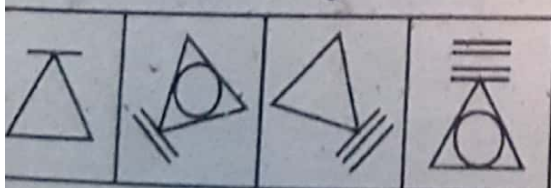
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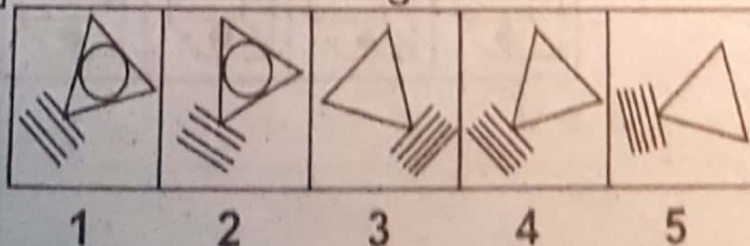
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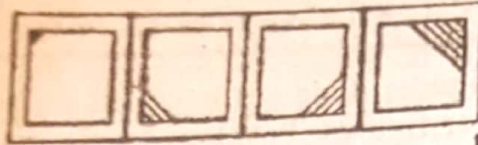


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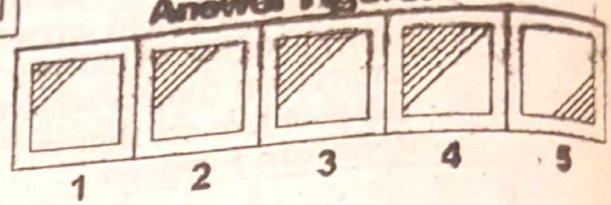


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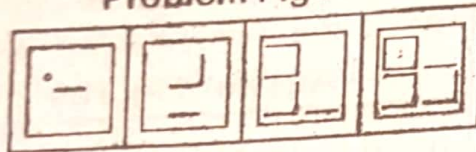


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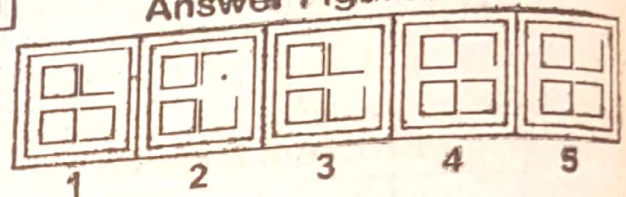


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Problem Figures



Answer Figures

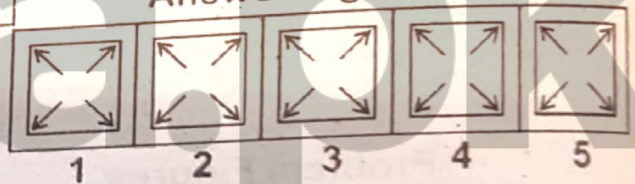


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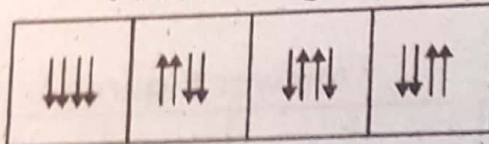


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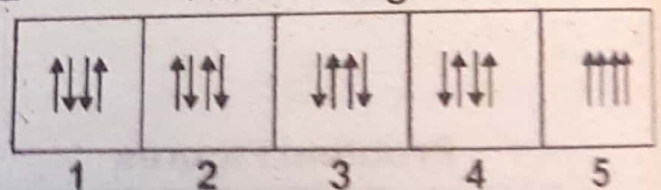


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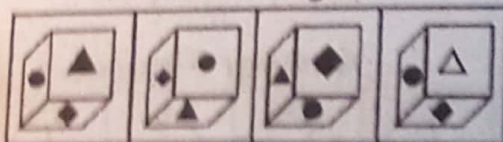


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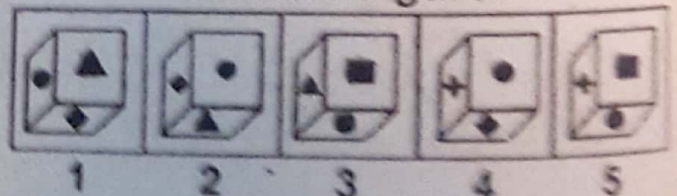


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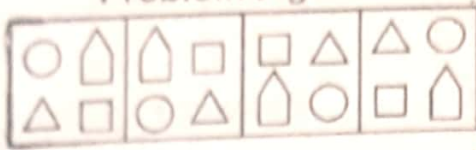
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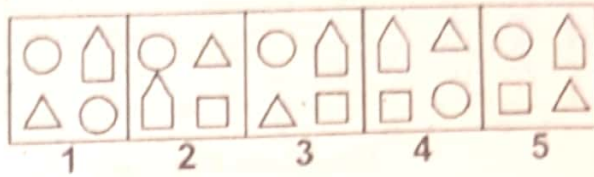
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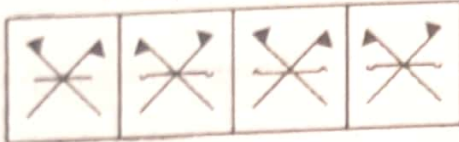
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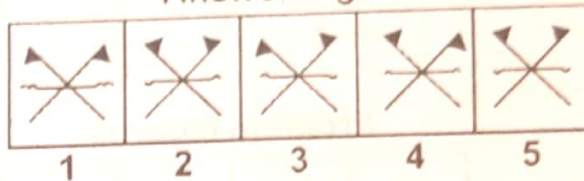
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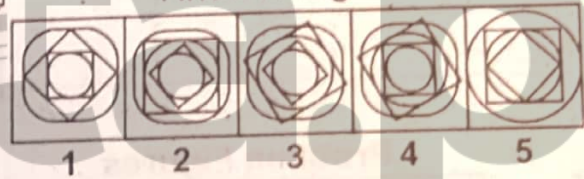
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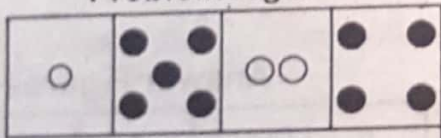
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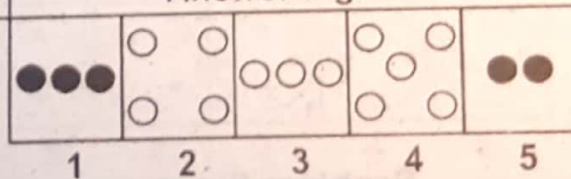
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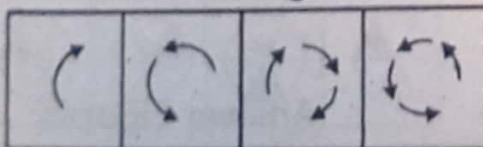
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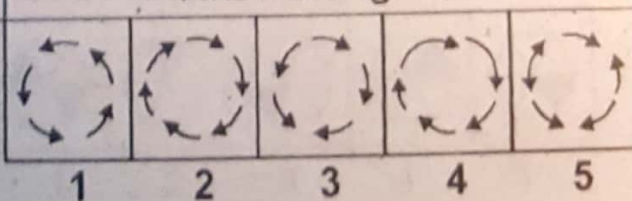
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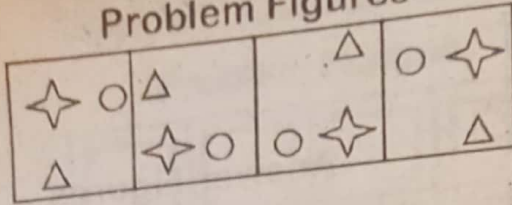


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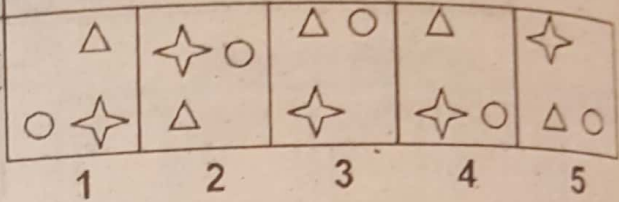


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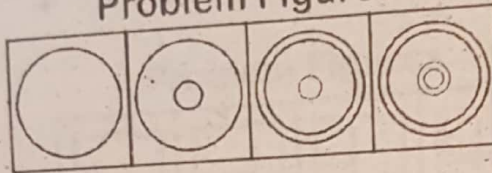


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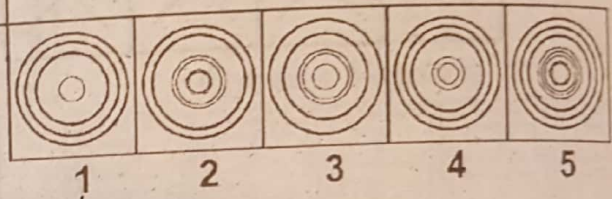


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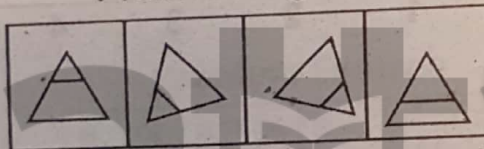


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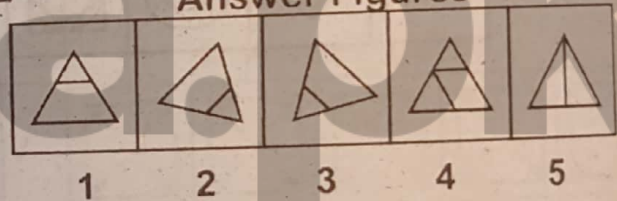


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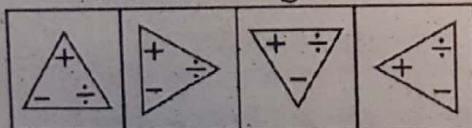


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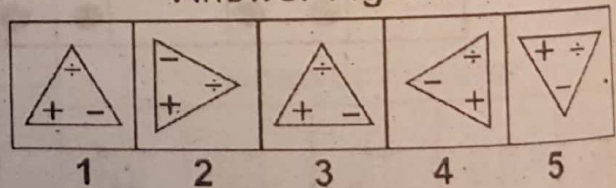


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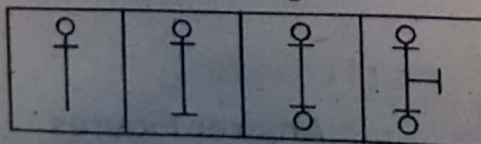


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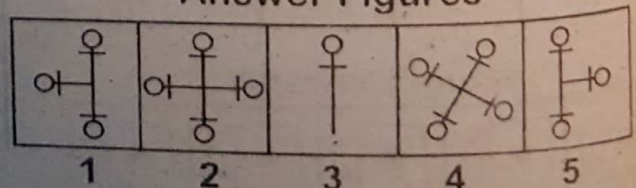


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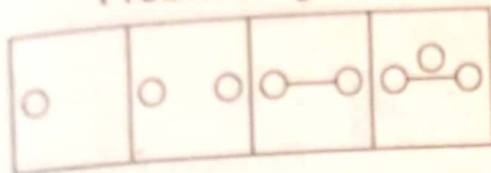
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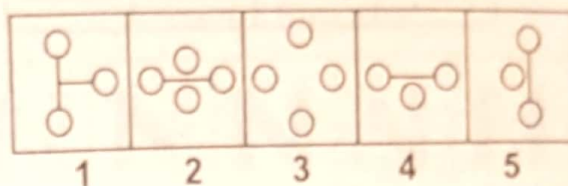
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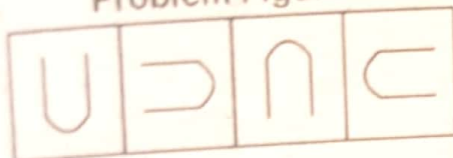
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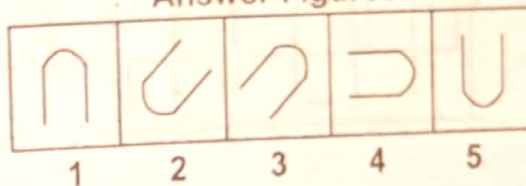
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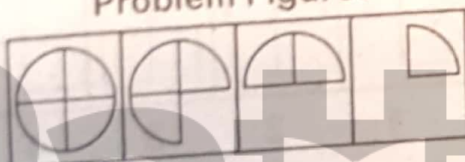
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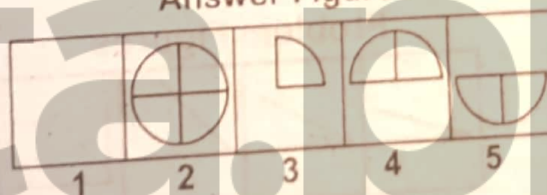
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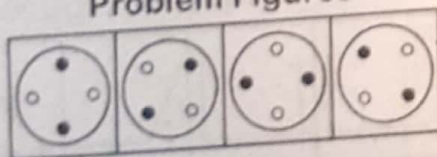
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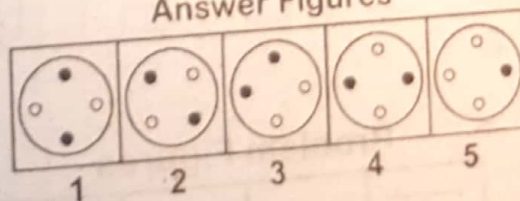
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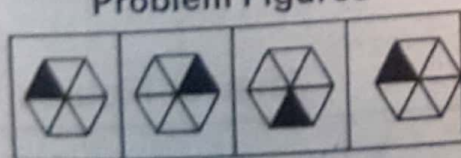
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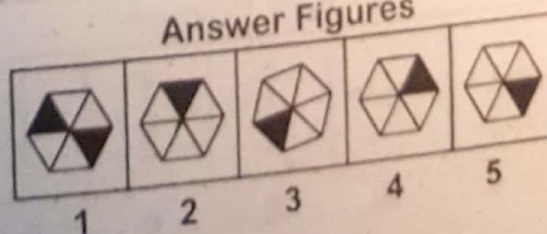
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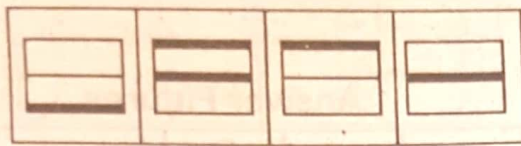


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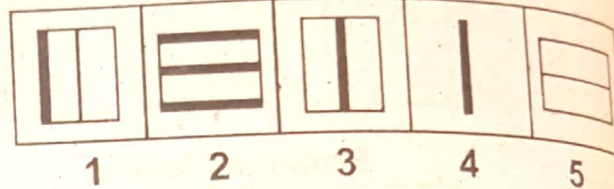


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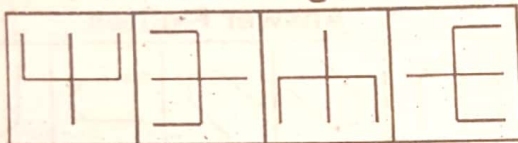
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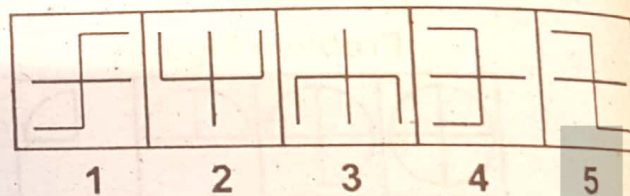
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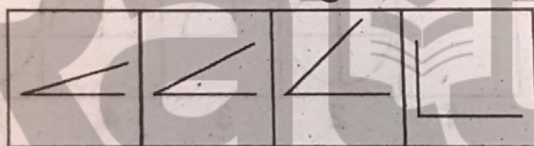
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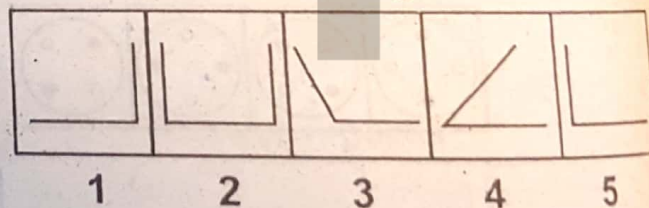
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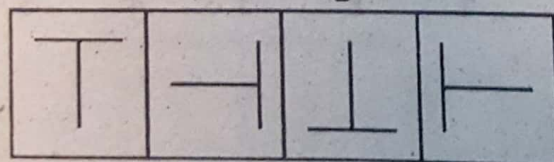


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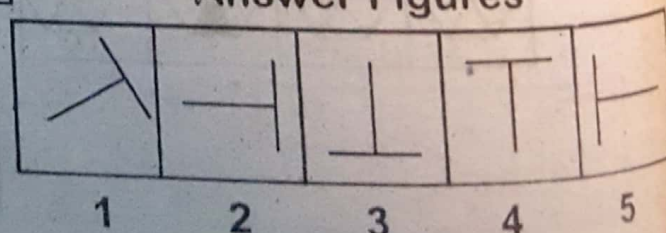


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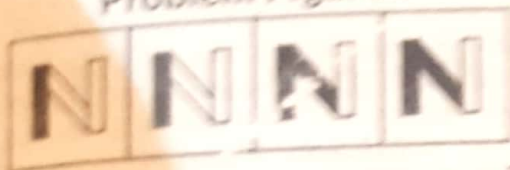


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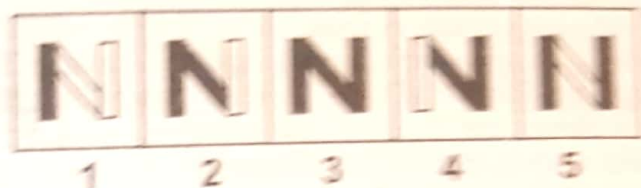


Problem Figures

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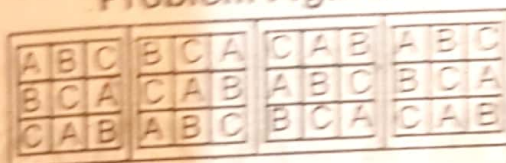


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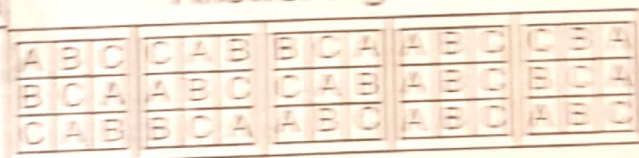


Problem Figures

30.

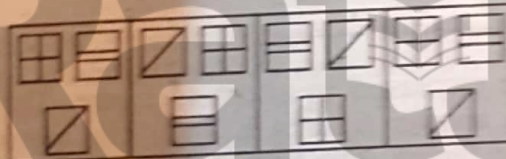


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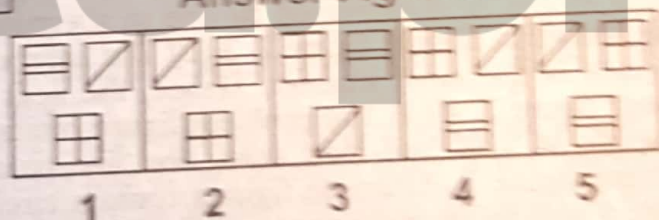


Problem Figures

31.

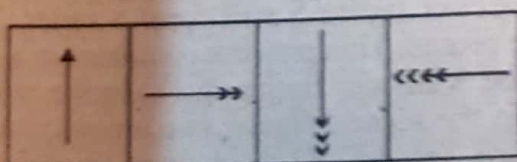


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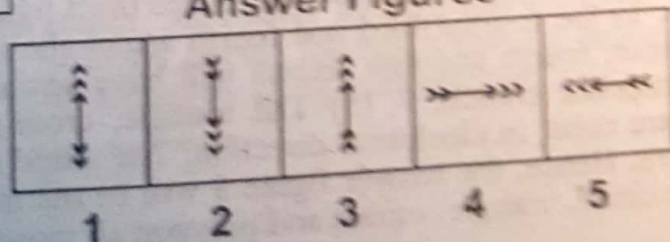


Problem Figures

32.



Answer Figures

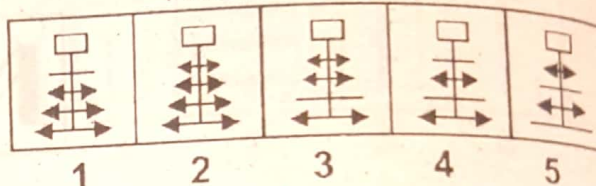


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Problem Figures



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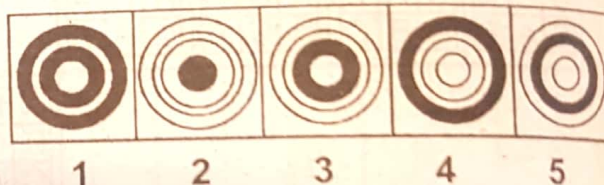


34.

Problem Figures



Answer Figures



Explanatory Answers

1. (5) One vertical bar with a cap is increased in alternate figure. The next item in the problem figure will be as shown in answer figures 5. 2. (2) The number of capital letters 'A' is increased by one in alternate figure. The fifth item in the series will be as shown in answer figure 2. 3. (2) The number of leaves first increase by one and then decrease in the same manner. Hence, the next item in the series will be as shown in answer figure 2. 4. (4) The problem figure rotates in the anti-clockwise direction through an angle of 120° and then draw one line parallel to the one already there to obtain problem figure 2. Alternate figures contain circle inside the triangle. Hence, the answer figure 4 will be an appropriate choice. 5. (1) The number of straight lines in each corner increases by one each time in anti-clockwise direction. The answer figure 1 will show a serial trend. 6. (5) In first figure, one line is added whereas in second figure two more lines are added. The process goes on. Hence, answer figure 5 will form a series. 7. (3) Each time one side of the square is cut into three pieces. This process continues in a clockwise direction. The next item in the series will be 3 answer figure. 8. (1) In the problem figure 1, all the arrows show upward direction. In the second figure, two arrows, first and second, show upward direction. In the third figure, second and third show upward direction. In the fourth, third and fourth arrow shows upward direction. Hence, in the serial manner, fourth and first arrows will have upward direction. Hence, in the serial appropriate choice. 9. (5) The triangle, cross-shaped figure and circle moves, in the figure. Hence, the answer figure 5 will be the most appropriate choice for series. 10. (3) The circle, triangle, square and polygon all move in anti clockwise direction to obtain the



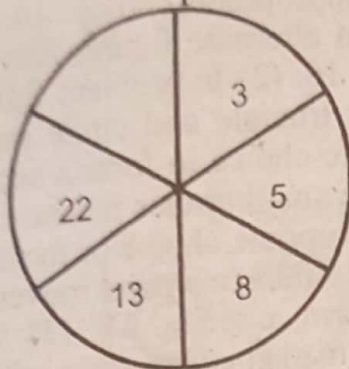
next figure in the series. Hence, answer figure 3 will form a series. 11. (4) The position of both the triangles on the hook have same direction in each figure but they move alternating in the each consecutive figure. Hence, answer figure 4 will form a series. 12. (2) The number of squares as well as the number of circles are increased by one in alternate figures in a set order. The answer figure 2 will form a series. 13. (3) The number of circles increases in alternate figure by one whereas the number of dots decreases in alternate figure by one. Hence, answer figure 3 will be an appropriate choice. 14. (4) Arrows are increasing by one but the direction is changing in alternate figure. Answer figure 4 will be an appropriate choice as it will form a series. 15. (2) In problem figure, the cross-shaped figure moves in anti-clockwise whereas the triangle and circle move clockwise direction. The answer figure 2 will be an appropriate choice to form a series. 16. (4) The number of bigger circles as well as the number of small circles increase by one in alternate figures. Hence, answer figure 4 will be an appropriate choice in forming a series of events. 17. (3) The straight line dividing the triangle into two parts moves in anti-clockwise direction. Hence, the answer figure 3 will form a series. 18. (3) The triangle shows movement clockwise at right angle whereas the mathematical signs within the triangle show movement in the anti-clockwise direction. 19. (5) In each successive figure, some portion is added in a set order and hence answer figure 5 will form a series. 20. (2) In first problem figure, only one circle is given, in second problem figure, two circles are given, one more than the first. In third problem figure, the circles are gained with a straight line. On this basis, answer figure 2 will make the series continuous. 21. (5) The problem figures rotate in anti-clock wise direction through a right angle. 22. (1) One quadrant of the circle is removed in each successive figure. The next figure in the series should be blank out. Answer figure 1 completes the series. 23. (1) The circle and block move at 45° in clockwise direction. Answer figure 1 completes the series. Hence, answer figure 1 is the correct choice. 24. (4) The shaded portion moves clockwise two steps in the hexagon. Answer figure 4 complete the series. 25. (2) The thick line first moves in the upward direction and then downward direction in a specific manner. The answer figure 2 is the correct choice. 26. (2) The problem figure move anti-clockwise at 90° and hence answer figure 2 will be an appropriate choice for the furtherance of series. 27. (3) The angles in the problem figures are increasing by stages. The last problem figure is right angled. The next item in the series will be an obtuse angle. Thus, answer figure 3 is an appropriate choice. 28. (4) The position figure T is changing clockwise at 90° . The next item in the series will be answer figure 4. 29. (3) Problem figures 1 and 2 show one line of letter N is blackened. In problem figures 3 and 4, two lines of letter N are blackened. Thus, in a series, the fifth item should as shown in answer figure 3. 30. (3) The letters within small squares have been arranged in a definite sequence. The second horizontal row in problem figure becomes the first horizontal row in the second problem figure. Thus, answer figure 3 will make a series continuous. 31. (5) The problem figure 4 is identical with problem figure 1. Similarly, the next figure to continue the series should be identical with problem figure 2, which is identical with answer figure 5. 32. (3) All arrow heads move in the clockwise direction with an increase of one head in each figure. Thus, answer figure 4 will be an appropriate choice for the furtherance of series. 33. (2) All the horizontal bars get arrow heads one by one. Hence, the answer figure 2 will complete the series. 34. (5) The black portion between different circles follows a definite sequence touching circle 3, 4, 1 and 2. The series will be formed by using answer figure 5.

EXERCISES

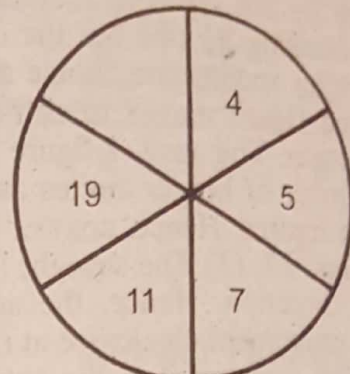
EXERCISE - 1

Direction: Insert the most appropriate missing figure in the following questions 1 to 16.

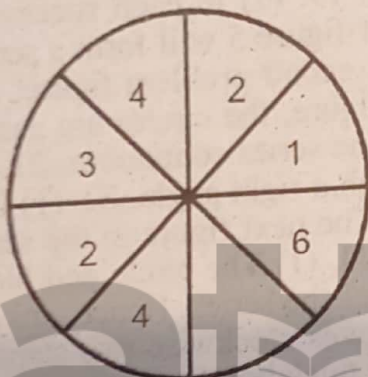
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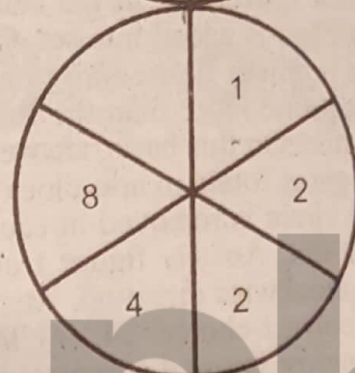
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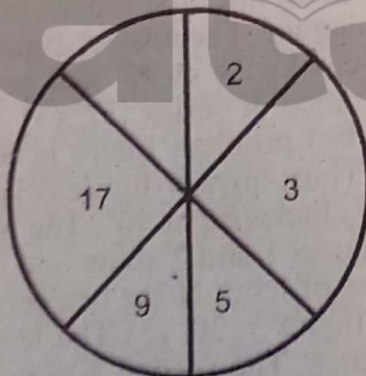
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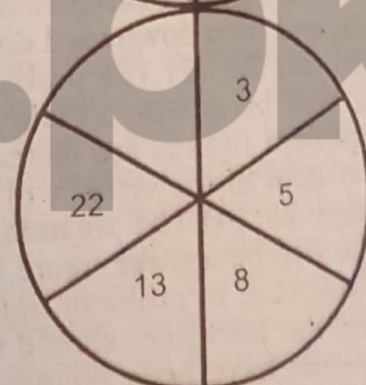
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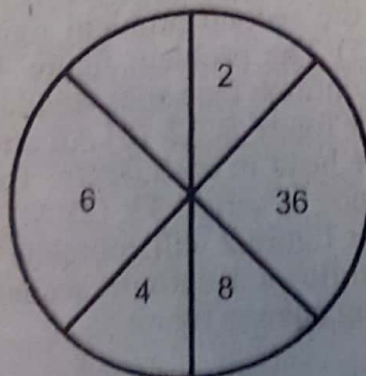
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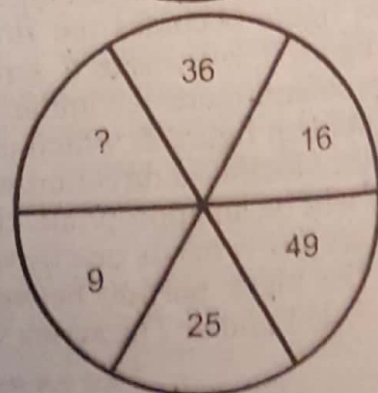
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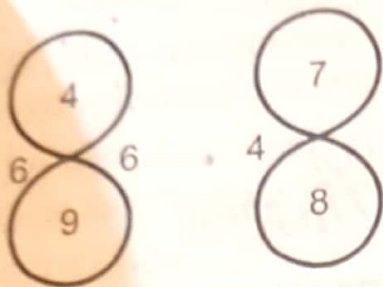
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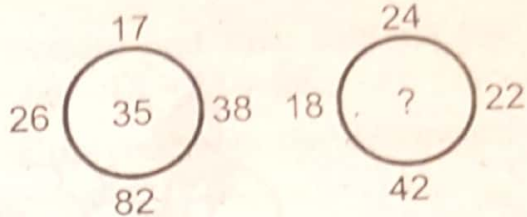
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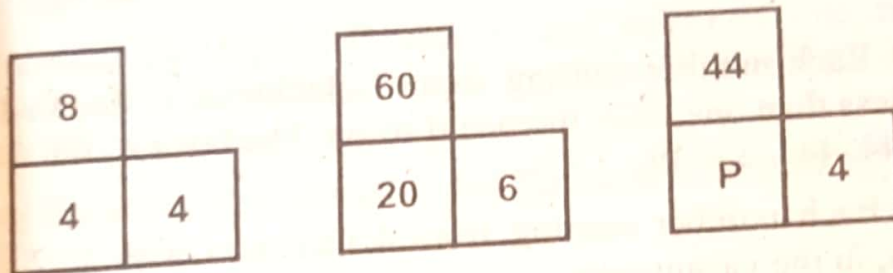
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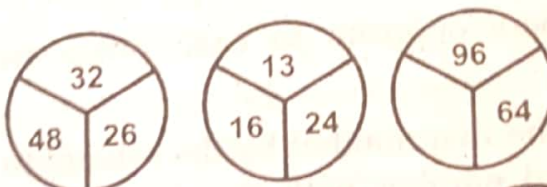
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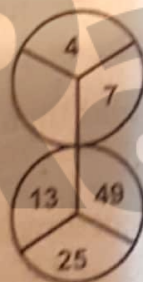
11.



12.



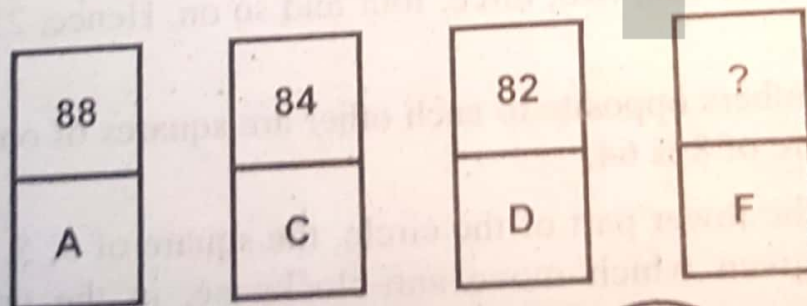
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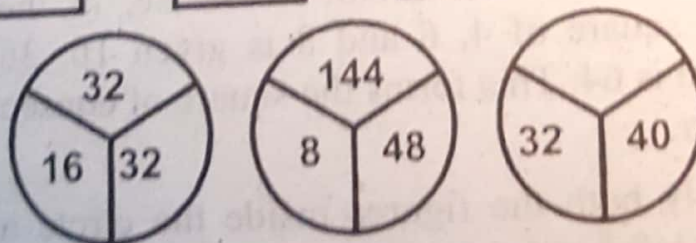
14.



15.



16.





Explanatory Answers

1. (39) Each number starting from 3 clockwise is doubled in the other but less than one, two, three and so on. The last *i.e.*, 6th item will $22 \times 2 = 44$. $44 - 5 = 39$.
2. (35) Each number starting from 4 increases with 1, 2, 4, 8 and 16. Thus, in the vacant space, the number will be 35.
3. (8) The numbers opposite to each other are double than the one another.
4. (32) Multiply the first number by the second to get the third, similarly, multiply second number with the third number will give the fourth number. Thus, $4 \times 8 = 32$, the value for the vacant space.
5. (33) Each number is the preceding one multiplied by two, and then one subtracted from the product. Thus, $17 \times 2 - 1 = 33$.
6. (39) Each number beginning with 3 is doubled in the preceding one, but less than one, two, three, four and so on. Hence, $22 \times 2 = 44 - 5 = 39$.
7. (64) Numbers opposite to each other are squares of one another. Thus, the square of 8 is 64.
8. (64) In the lower part of the circle, the square of 3, 5, 7 *i.e.*, 9, 25 and 49 are given which move anti-clockwise, in the upper half of the square, the square of 4, 6 and 8 is given 16, 36 and 64. Thus, the missing item is 64. This forms the square of consecutive letter opposite to each other.
9. (14) Multiply both the figures inside the circle and divide it by the figure on its left hand side. Thus, $(7 \times 8) \div 4 = 14$.

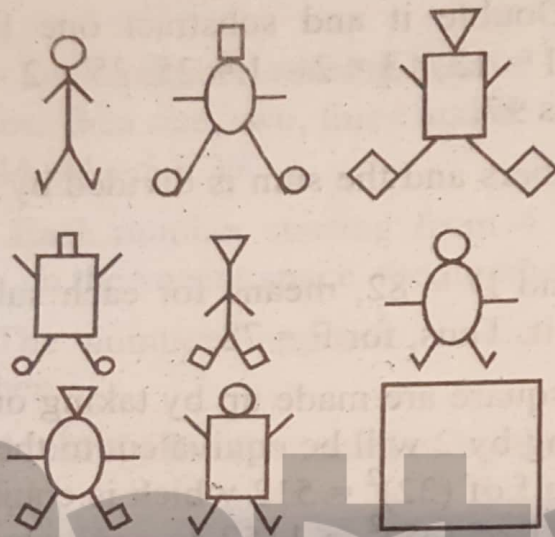
10. (26) Add the number of the top and bottom and then subtract the number at right and left. Thus, $24 + 42 = 66 - 18 - 22 = 26$.
11. (22) The above item of the square is multiplying both the downward items and dividing it by 2. Thus, the volume of P is 22.
12. (52) The each item in figure second is half of the items given in first figure whereas the items are double in figure three. Thus, $26 \times 2 = 52$.
13. (97) Go around the figure. Double it and subtract one from the product. $4 \times 2 - 1 = 7$, $7 \times 2 - 1 = 13$, $13 \times 2 - 1 = 25$, $25 \times 2 - 1 = 49$, $49 \times 2 - 1 = 97$. Thus, answer is 97.
14. (7) Adding the above two numbers and the sum is divided by 3. Thus, $16 + 5 = 21 \div 3 = 7$.
15. (78) When $A = 88$, $C = 84$ and $D = 82$, means for each subsequent English letter deduct two from it. Thus, for $F = 78$.
16. (25) All the three figures in a square are made up by taking one of the number, squaring it and dividing by 2 will be equivalent to the product of other two numbers. Thus, half of $(32)^2 = 512$ which is equivalent to the product of 16 and 32. Half of $(48)^2 = 1152$ is equivalent to the product of 8 and 144. Similarly, half of $(40)^2 = 800$ which is the product of 32 and 25. Hence, the missing item is 25.

EXERCISE - 2

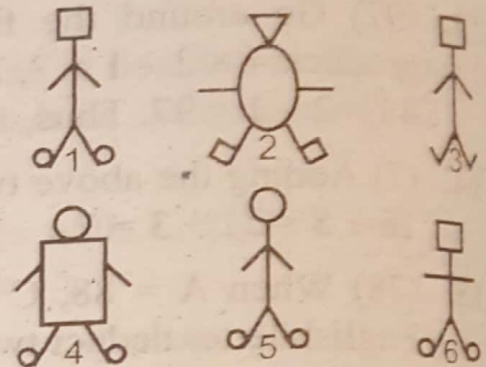
Direction: Which of the six numbered figure given below the problem figures fits into the vacant square or question mark.

1.

Problem Figures

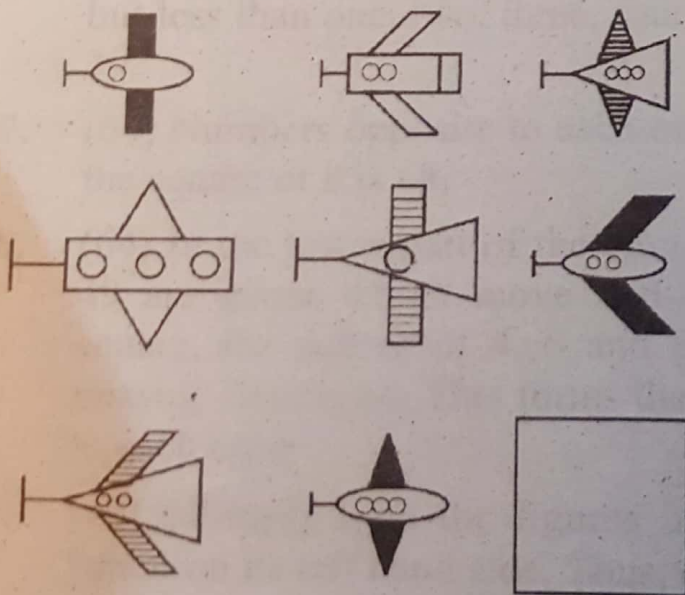


Answer Figures

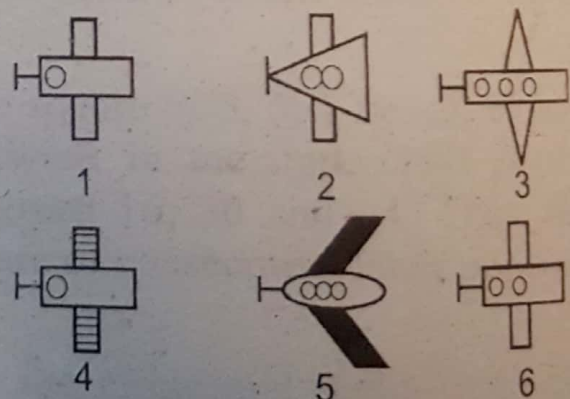


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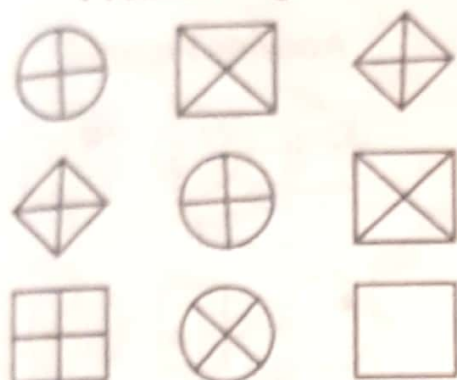
Problem Figures



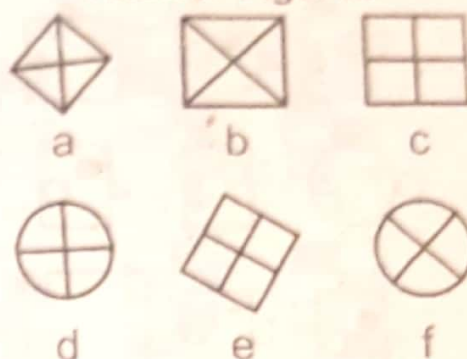
Answer Figures



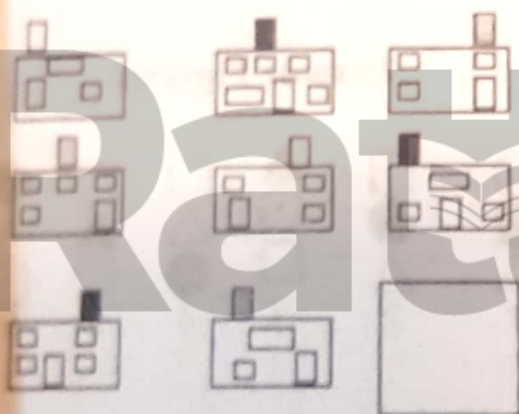
Problem Figures



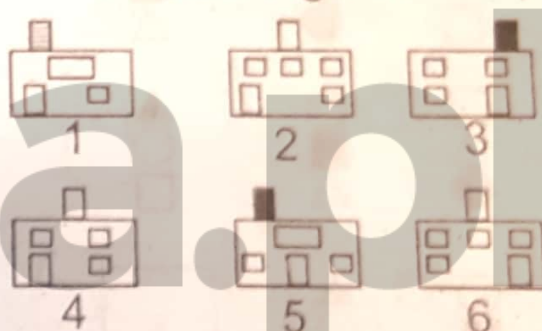
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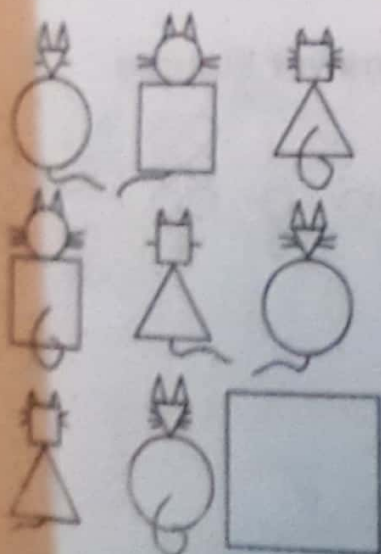
Problem Figures



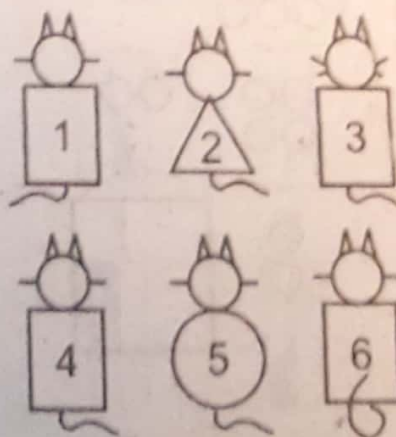
Answer Figures



Problem Figures

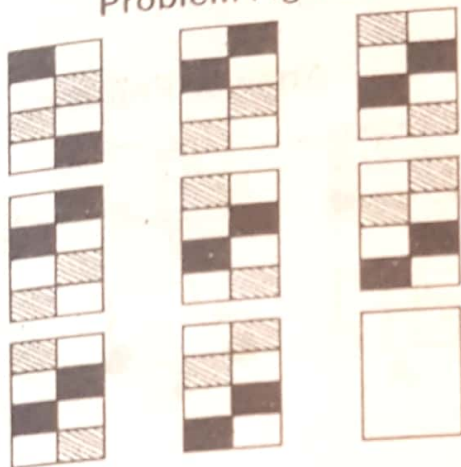


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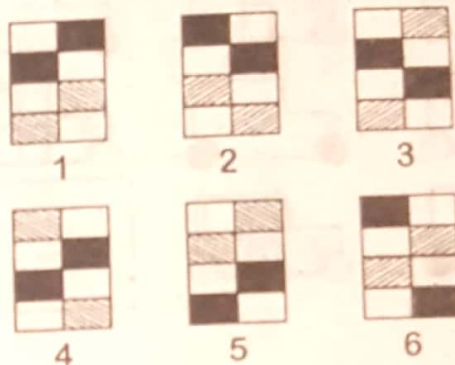


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Problem Figures

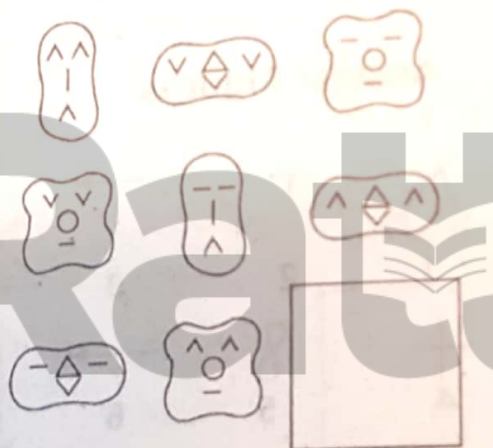


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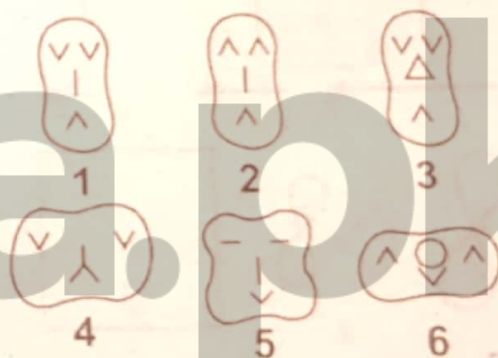


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Problem Figures

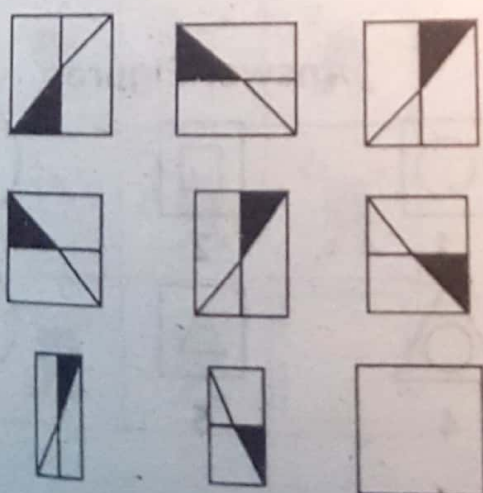


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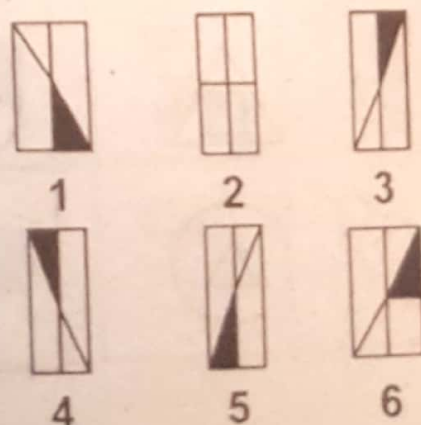


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Problem Figures

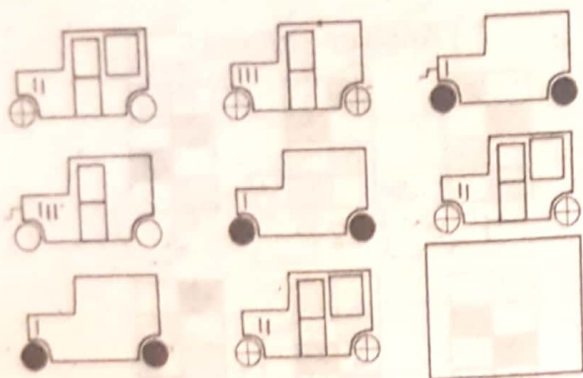


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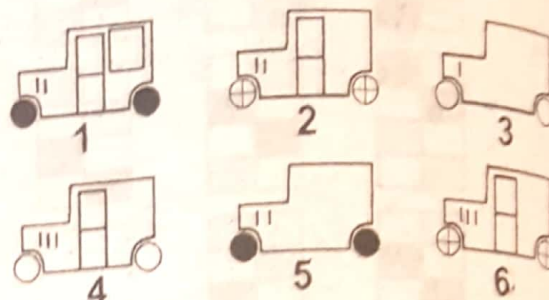


12.

Problem Figures



Answer Figures

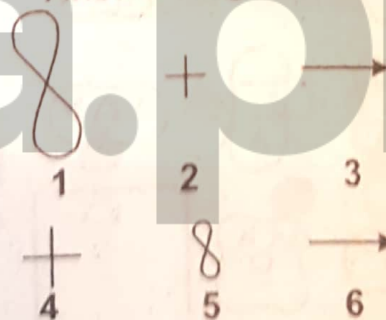


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Problem Figures

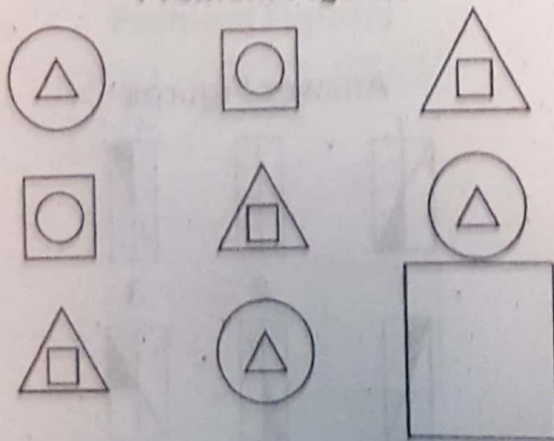


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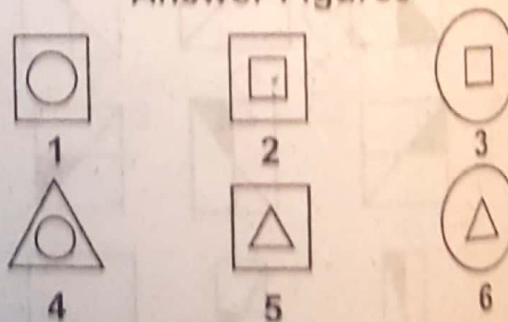


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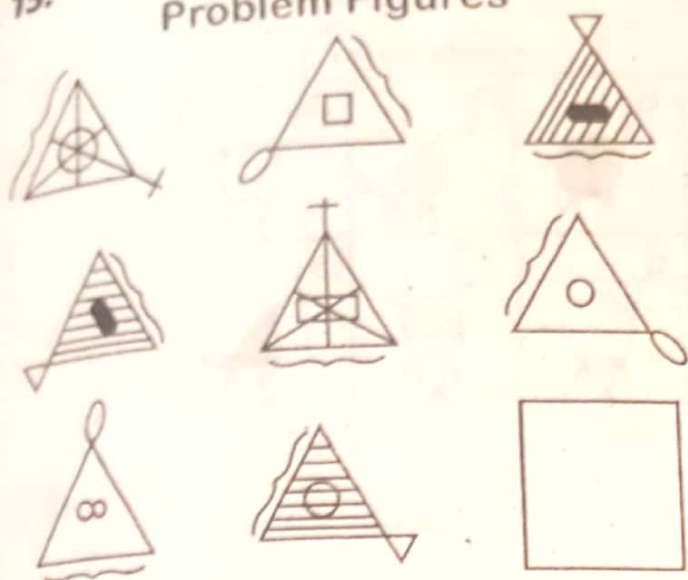
Problem Figures



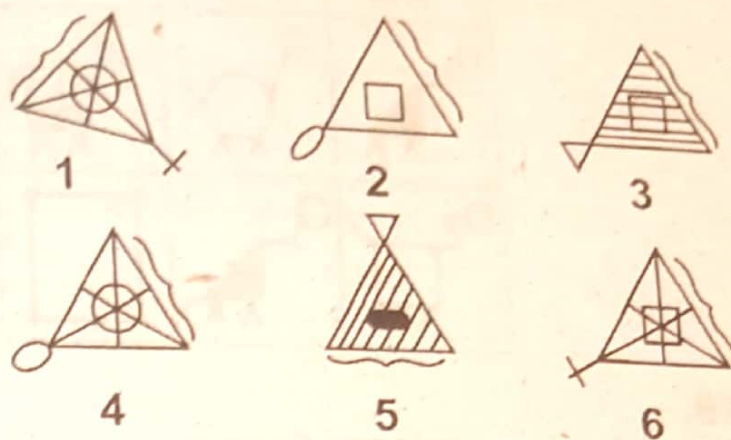
Answer Figures



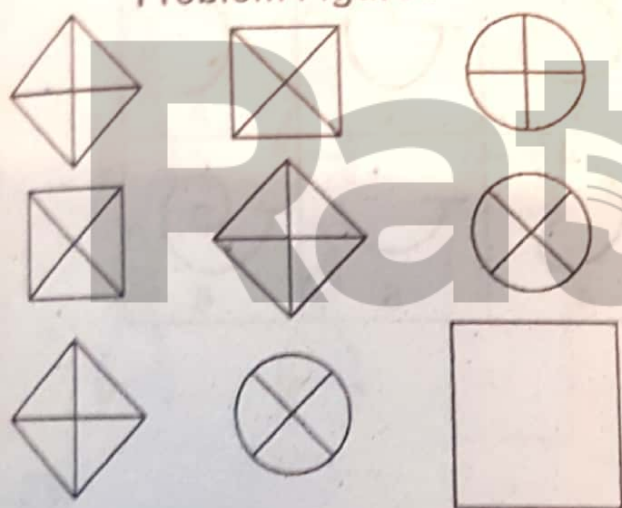
15. Problem Figures



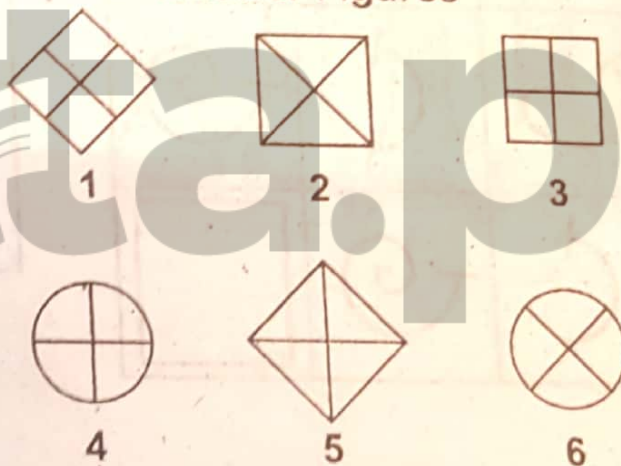
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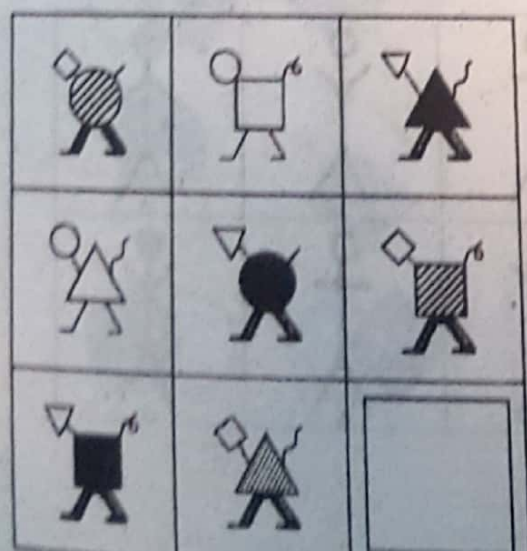
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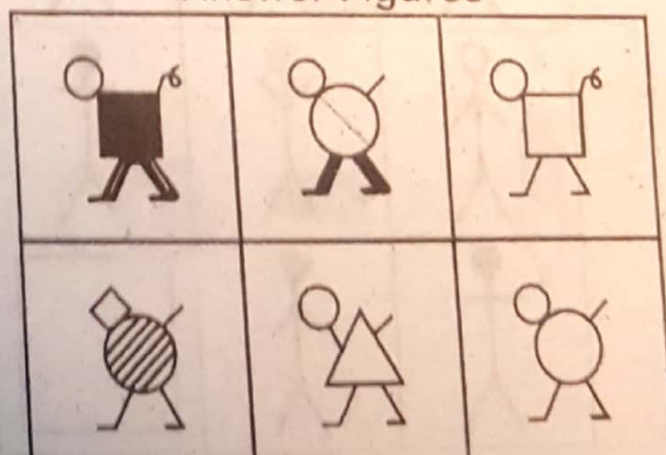
Answer Figures



17. Problem Figures

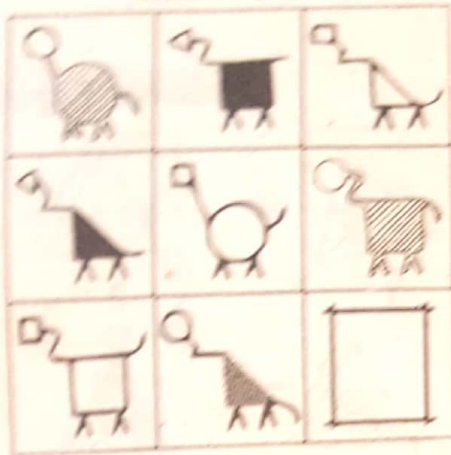


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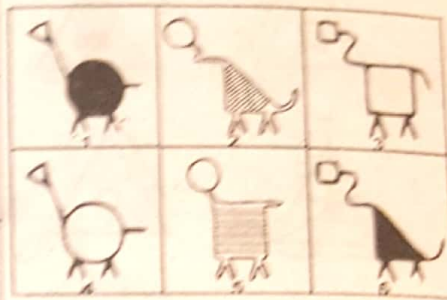


18.

Problem Figures



Answers Figures

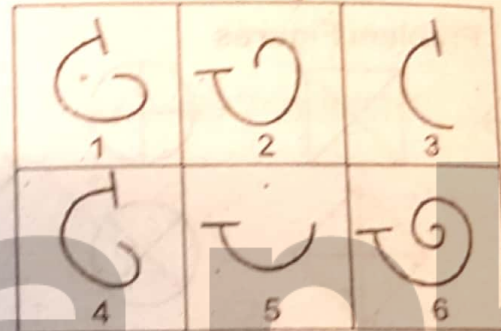


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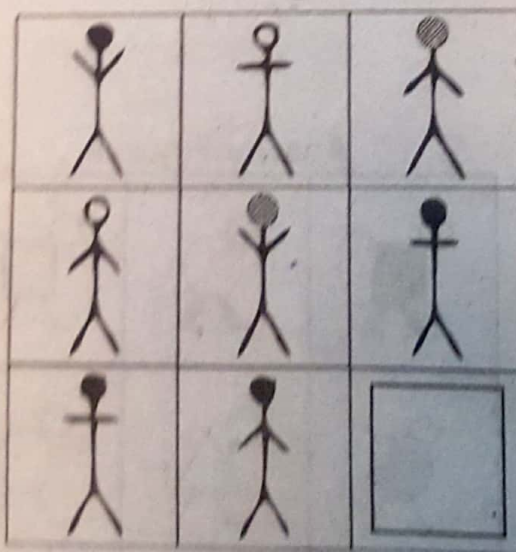


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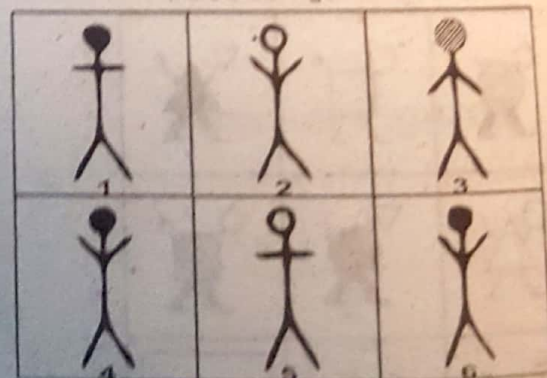


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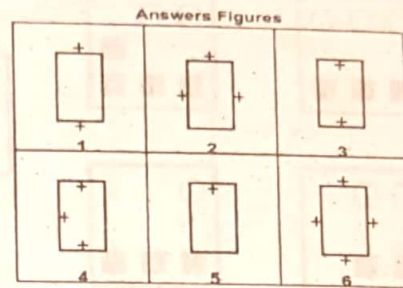
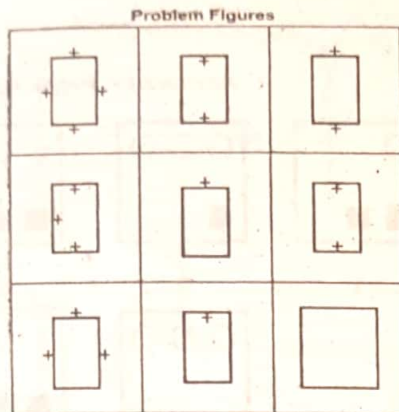
Problem Figures



Answers Figures



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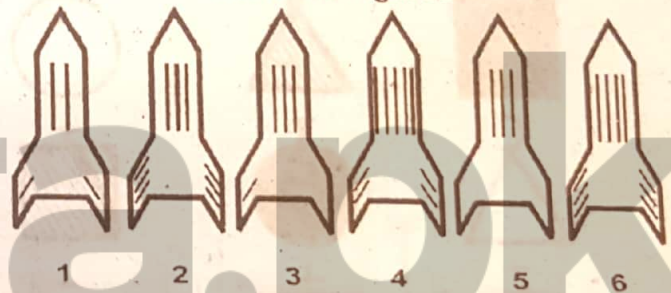


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Problem Figures

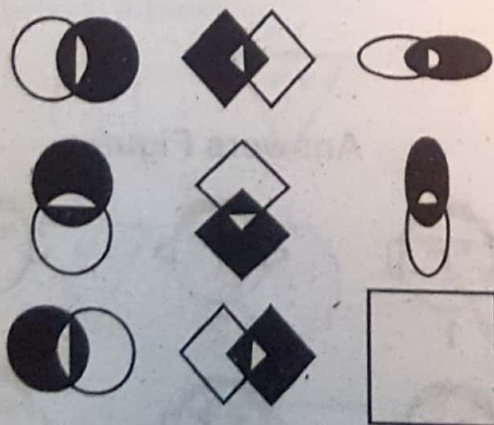


Answers Figures

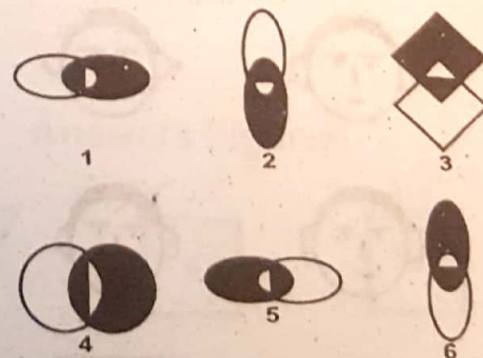


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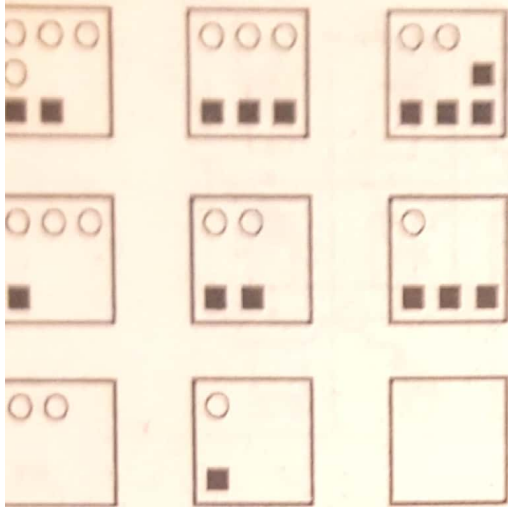


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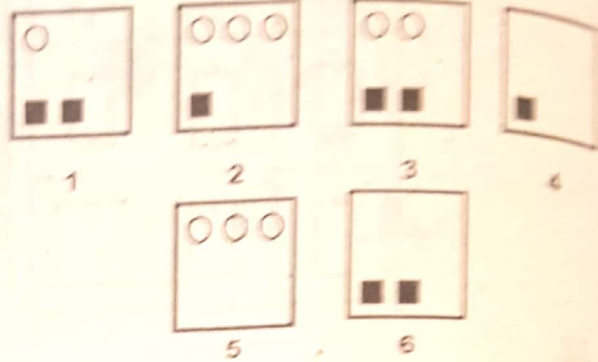


4.

Problem Figures



Answers Figures



5.

Problem Figures

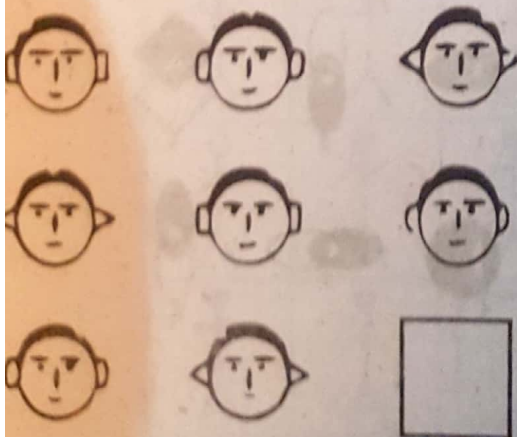


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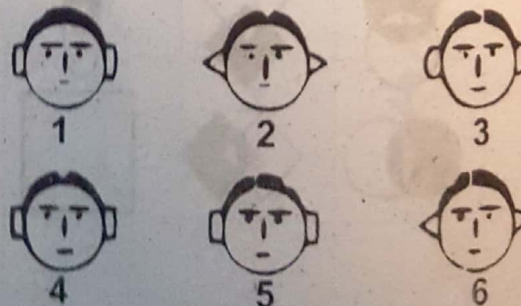


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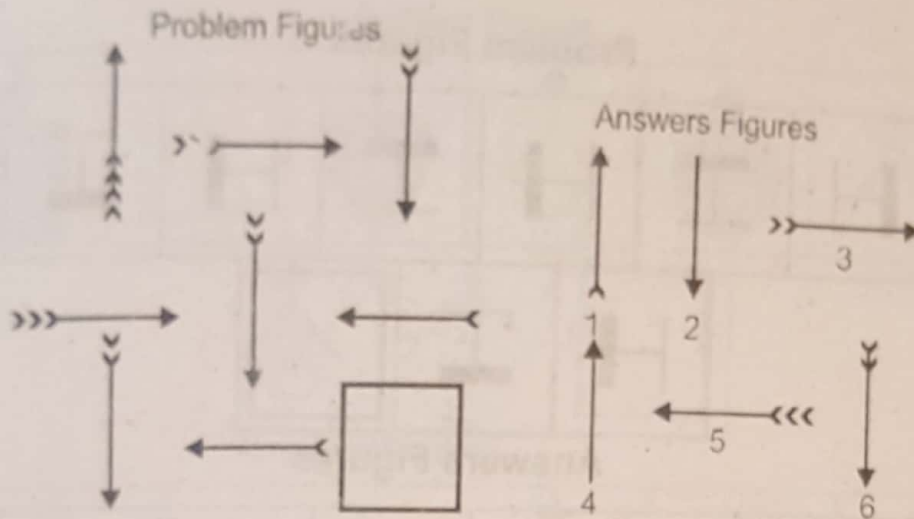
Problem Figures



Answers Figures

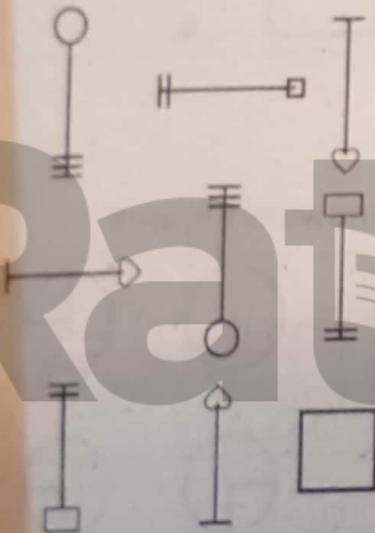


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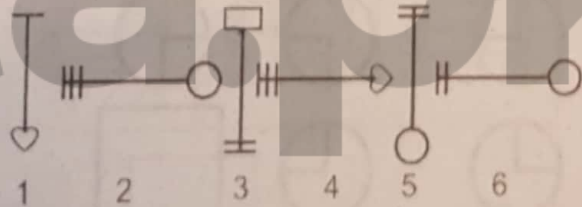


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Problem Figures

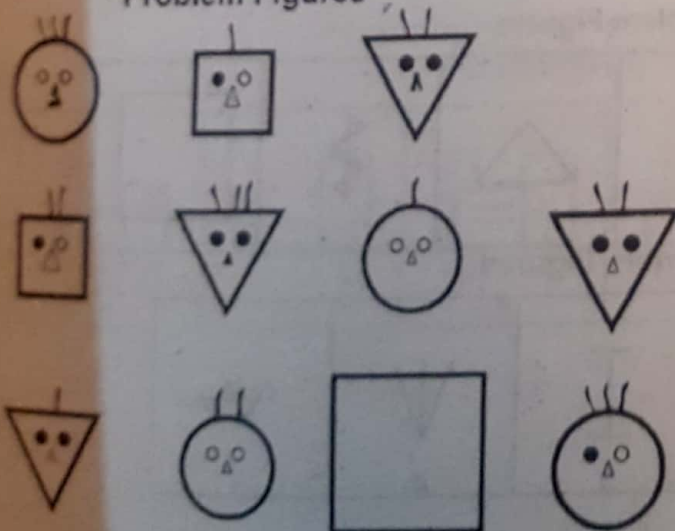


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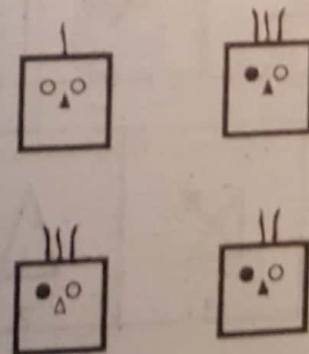


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Problem Figures

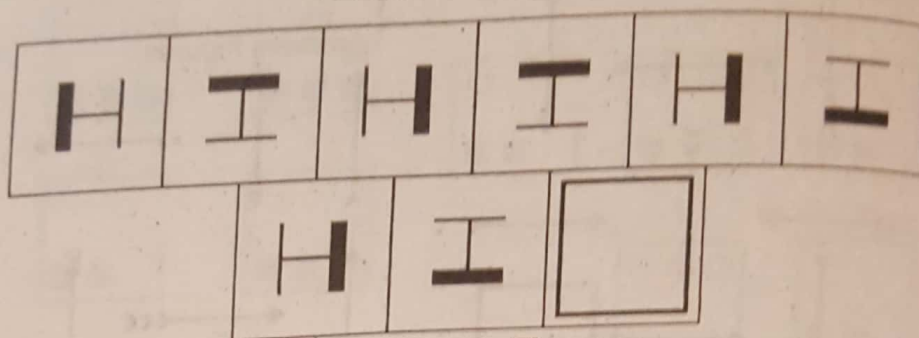


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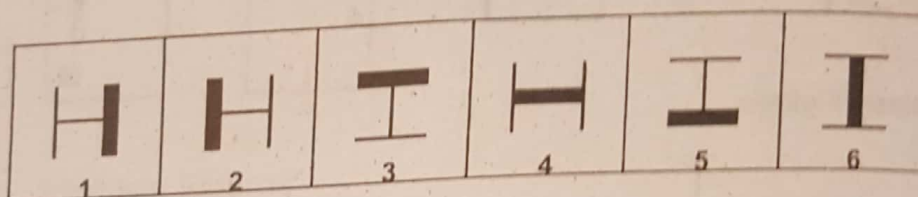


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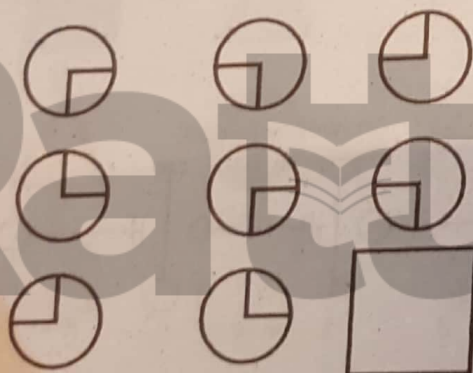


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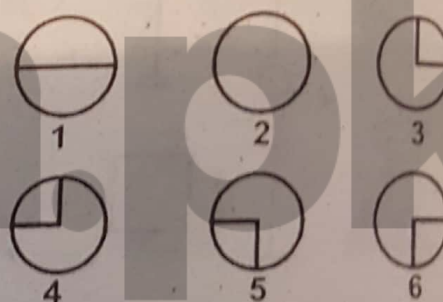


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Problem Figures

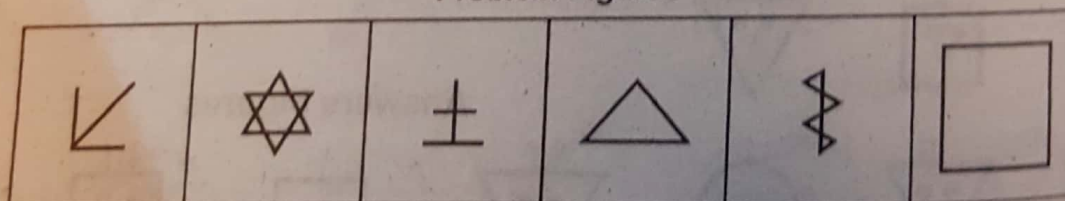


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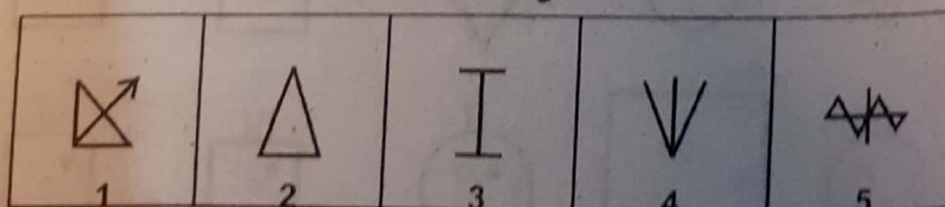


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Problem Figures

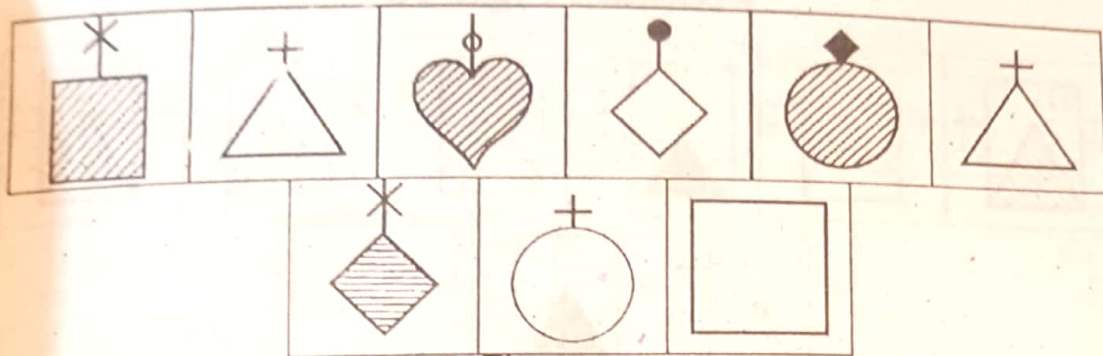


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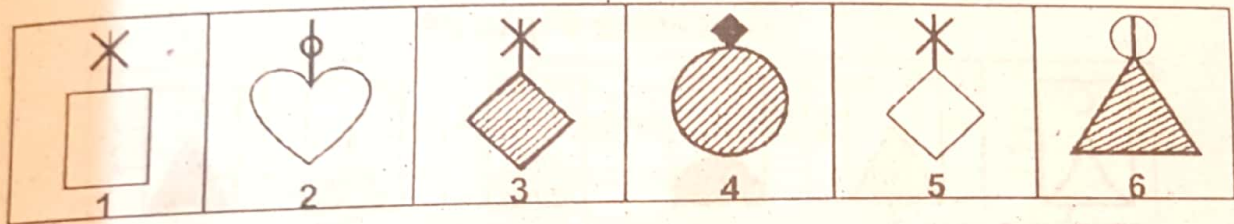


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Problem Figures

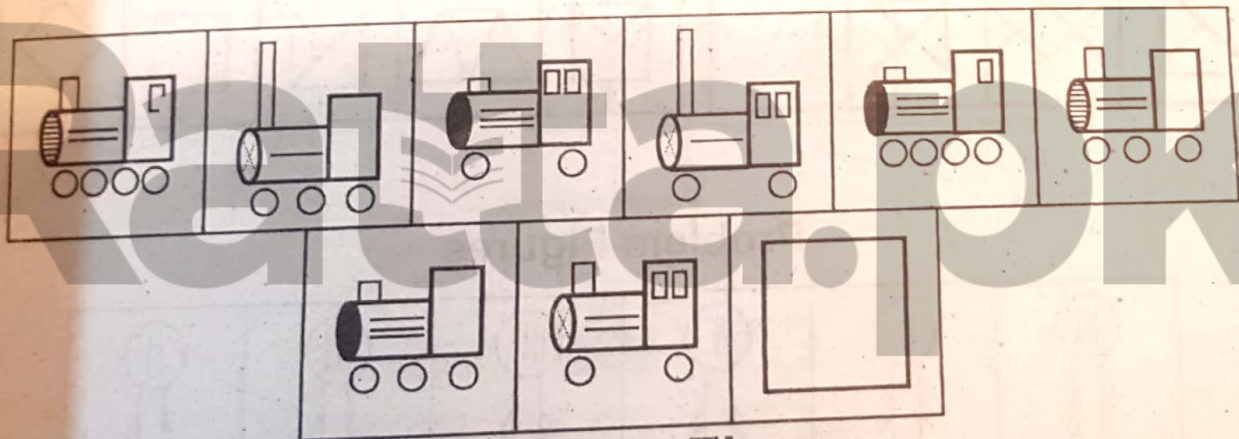


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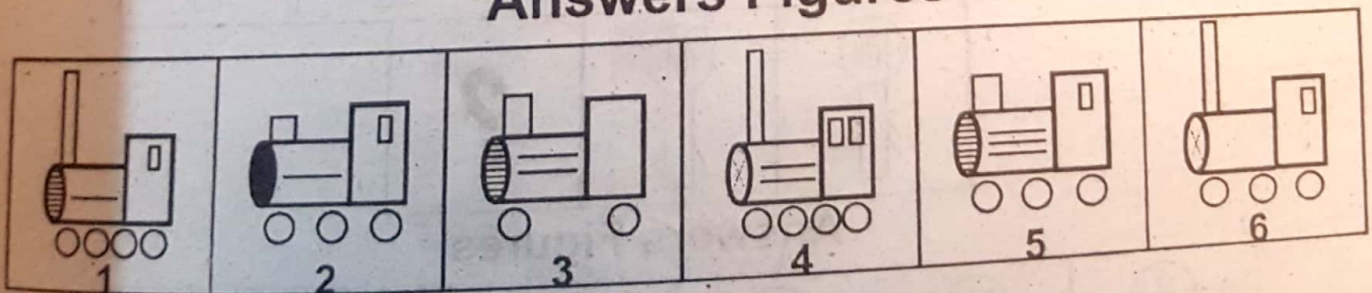


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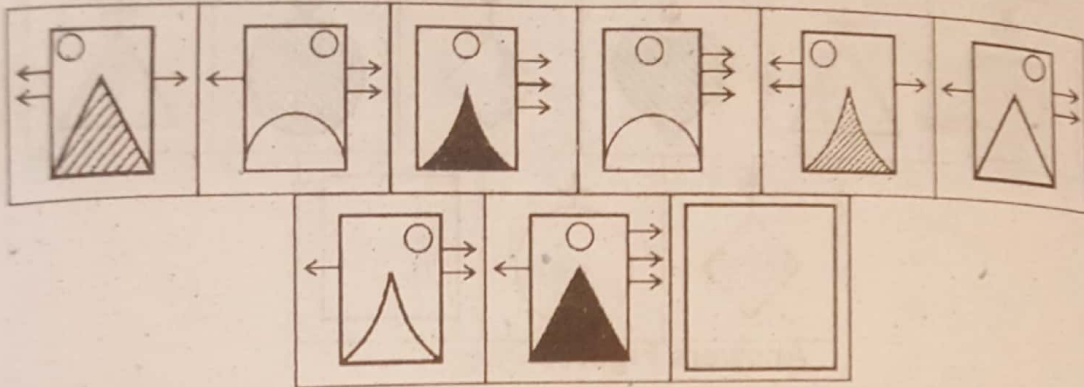


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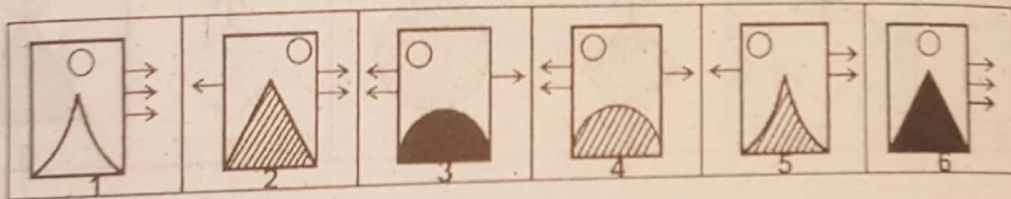


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Problem Figures

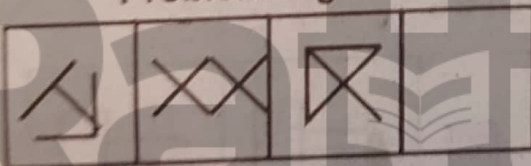


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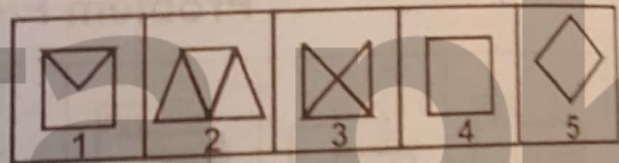


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Problem Figures

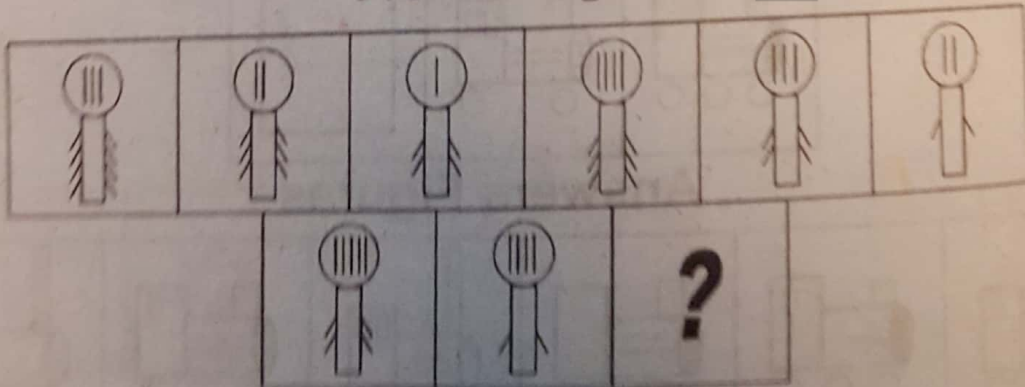


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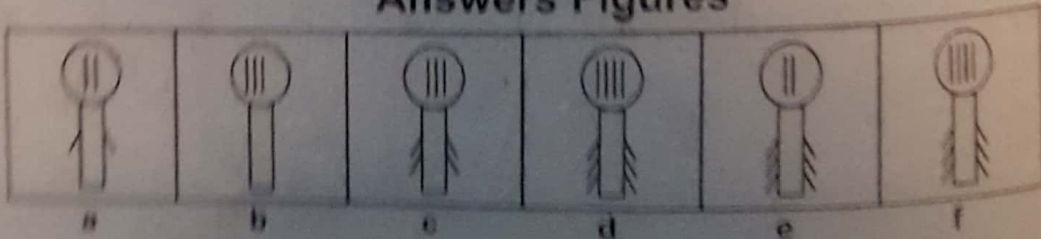


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Problem Figures

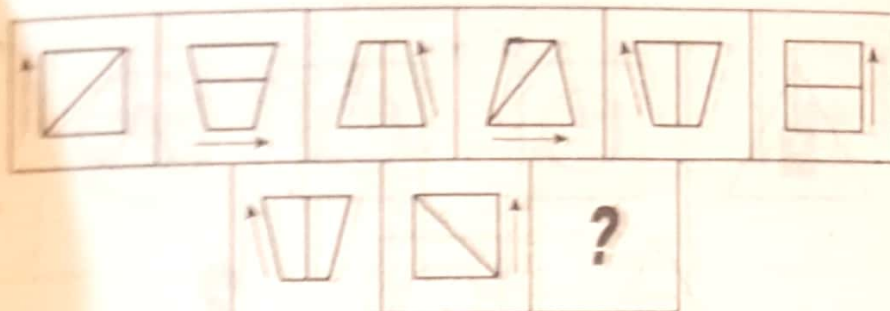


Answers Figures

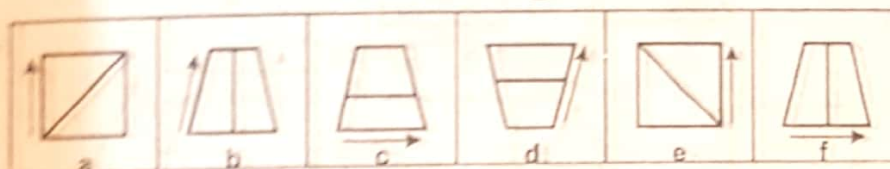


38.

Problem Figures



Answers Figures

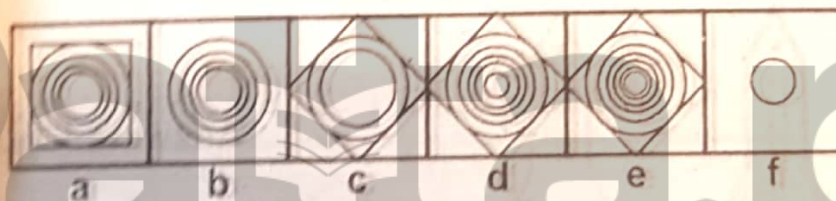


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Problem Figures

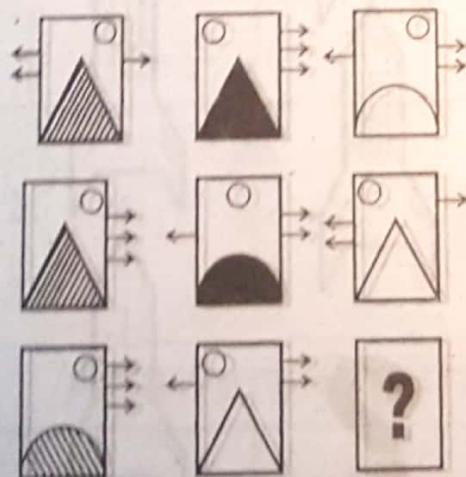


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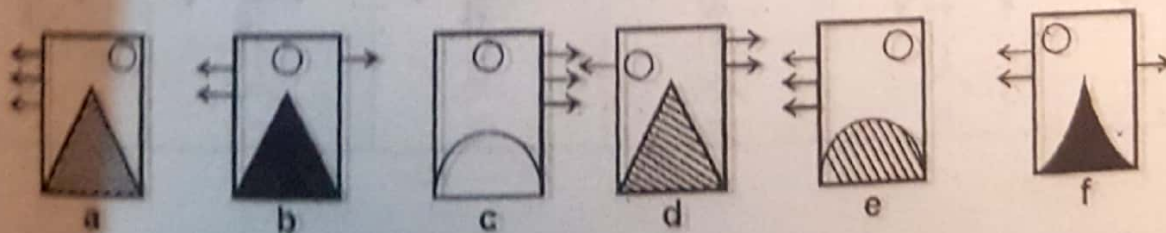


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Problem Figures

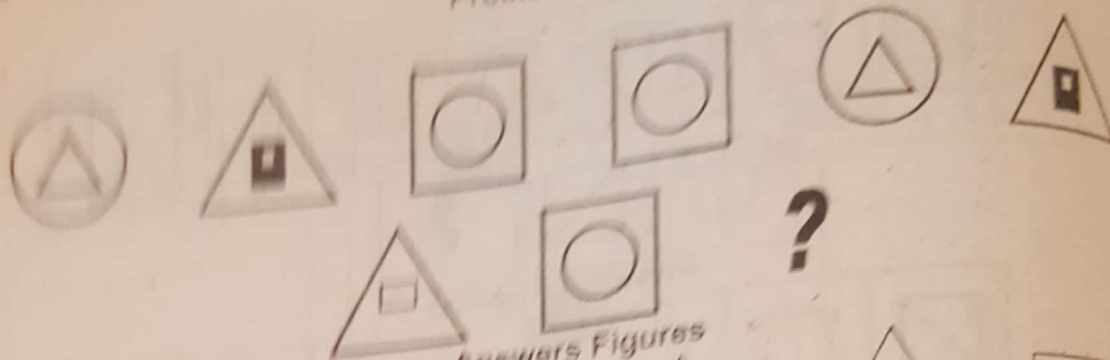


Answers Figures

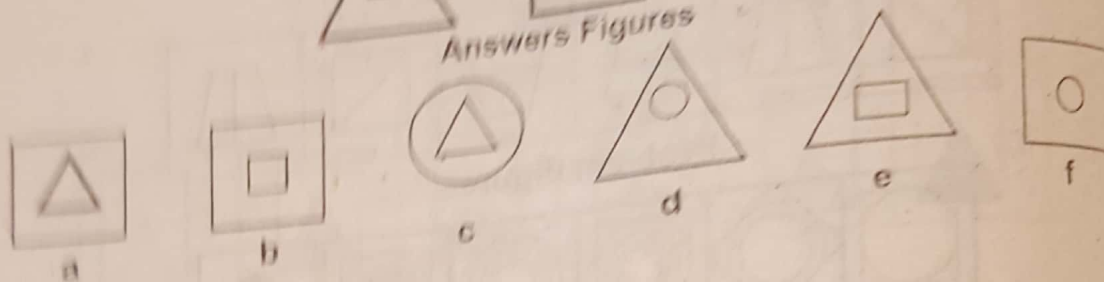


41.

Problem Figures



Answers Figures

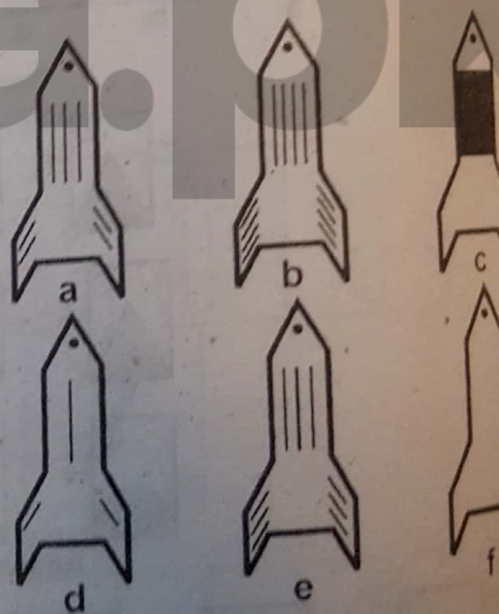


42.

Problem Figures

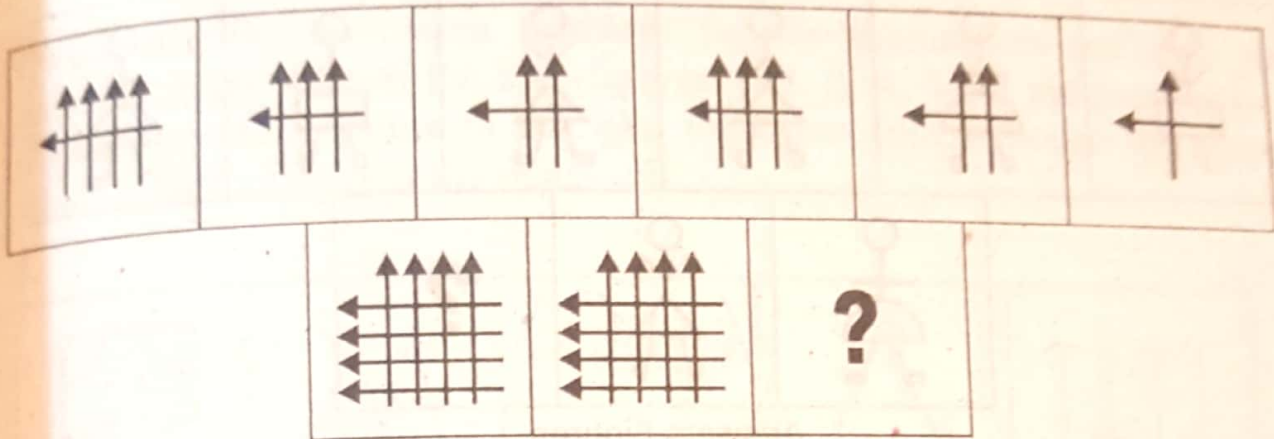


Answers Figures

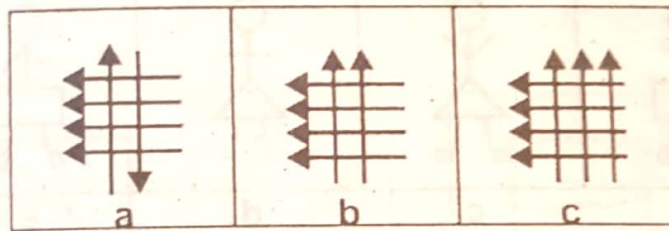


43.

Problem Figures

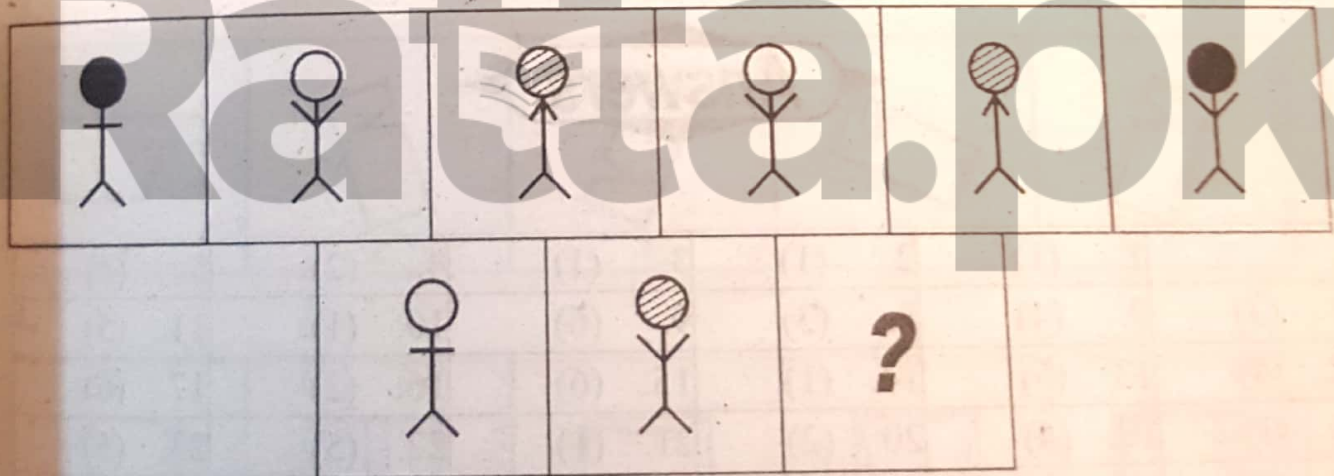


Answers Figures

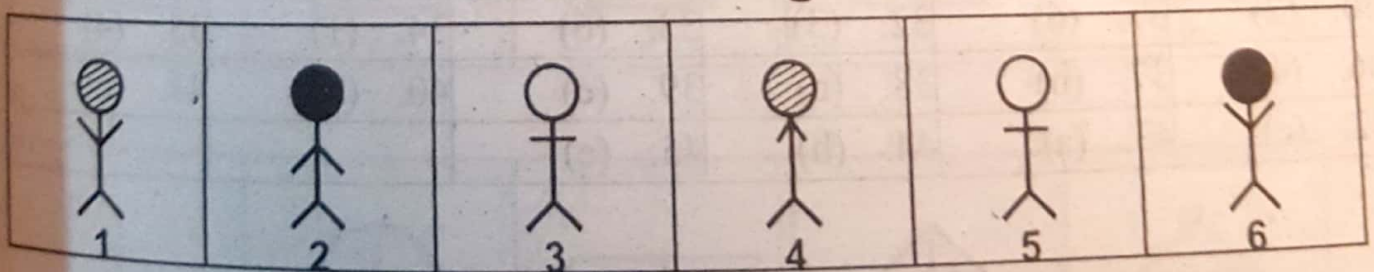


44.

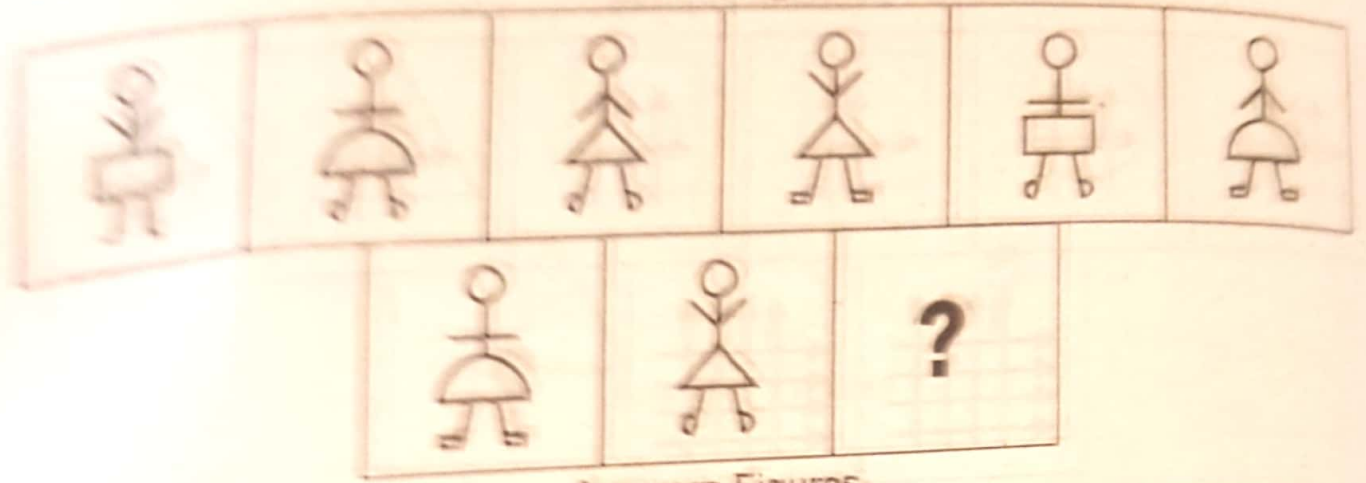
Problem Figures



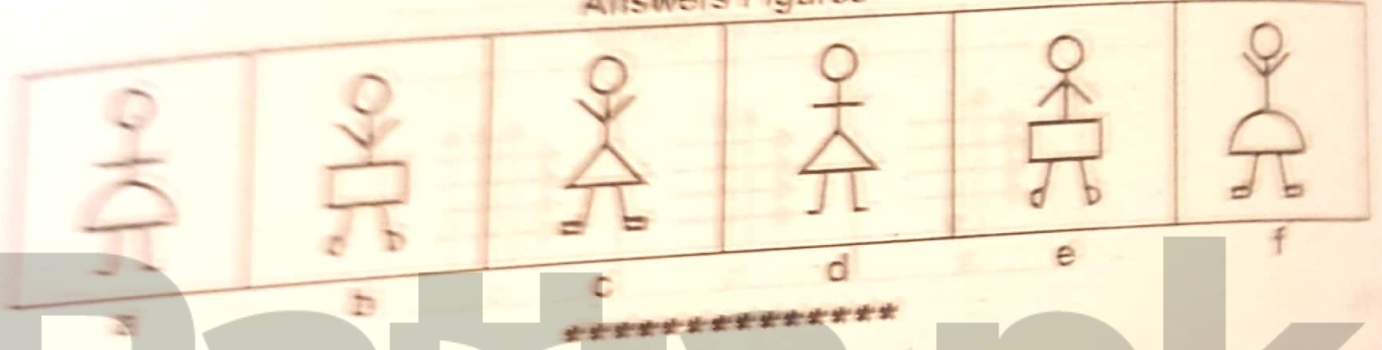
Answers Figures



Problem Figures



Answers Figures

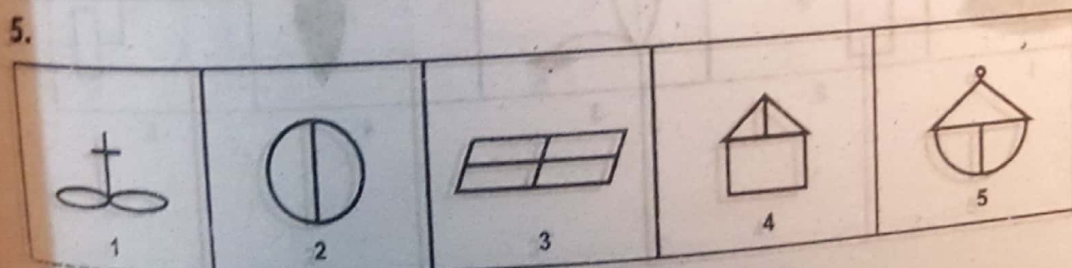
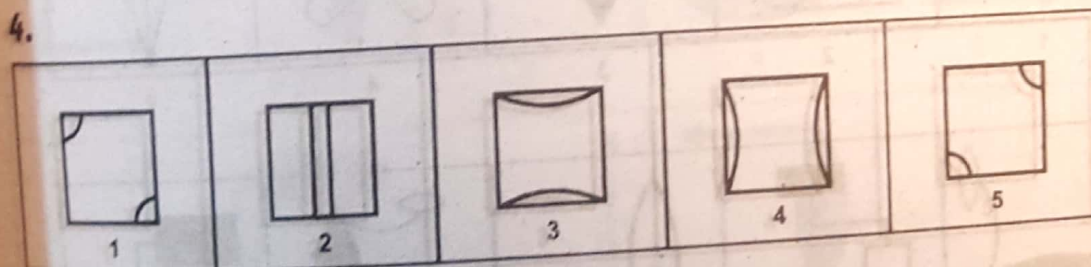
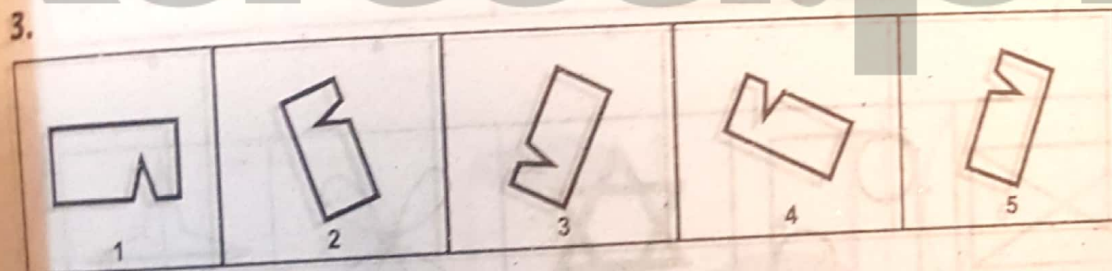
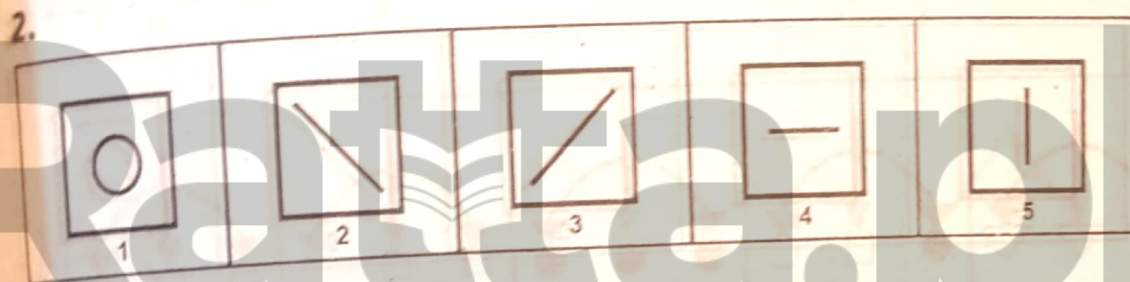
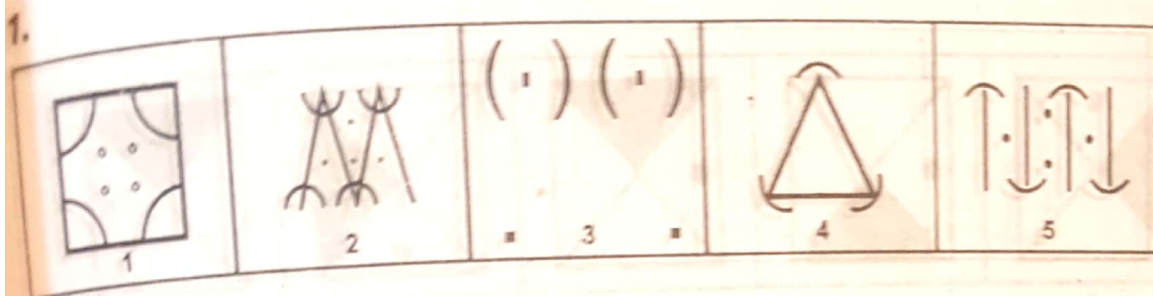


Answers

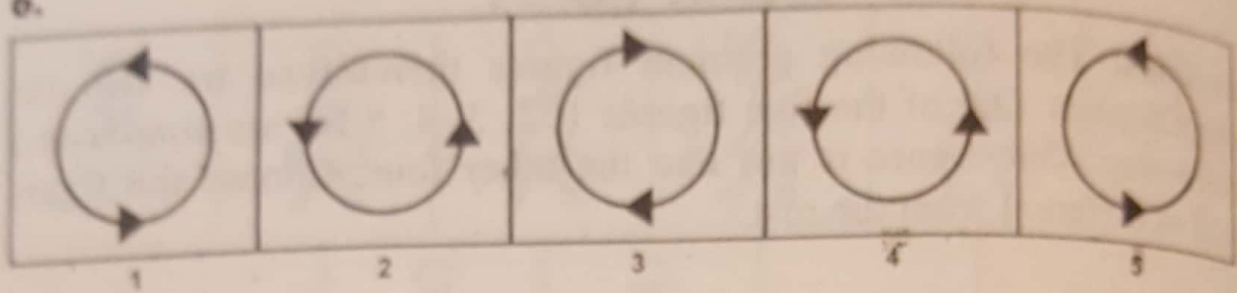
| | | | | |
|---------|---------|---------|---------|---------|
| 1. (1) | 2. (1) | 3. (1) | 4. (2) | 5. (4) |
| 6. (2) | 7. (4) | 8. (3) | 9. (6) | 10. (1) |
| 11. (5) | 12. (4) | 13. (5) | 14. (1) | 15. (6) |
| 16. (2) | 17. (6) | 18. (1) | 19. (4) | 20. (2) |
| 21. (1) | 22. (5) | 23. (5) | 24. (6) | 25. (6) |
| 26. (4) | 27. (4) | 28. (2) | 29. (3) | 30. (2) |
| 31. (6) | 32. (3) | 33. (6) | 34. (1) | 35. (4) |
| 36. (4) | 37. (6) | 38. (c) | 39. (e) | 40. (b) |
| 41. (c) | 42. (6) | 43. (a) | 44. (b) | 45. (e) |

EXERCISE - 3

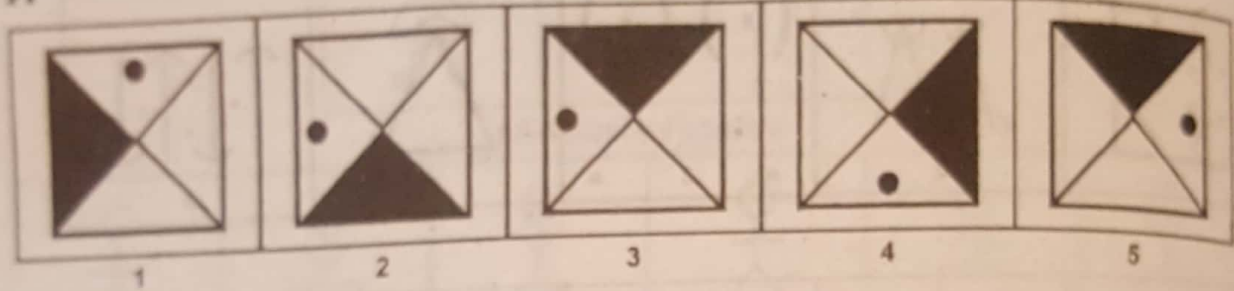
Directions: The following problem figures themselves are also the answer figures. Out of the five figures 1, 2, 3, 4, 5 for are similar in a certain way. One figure is not like the other four. Choose the figure which is different from the rest:-



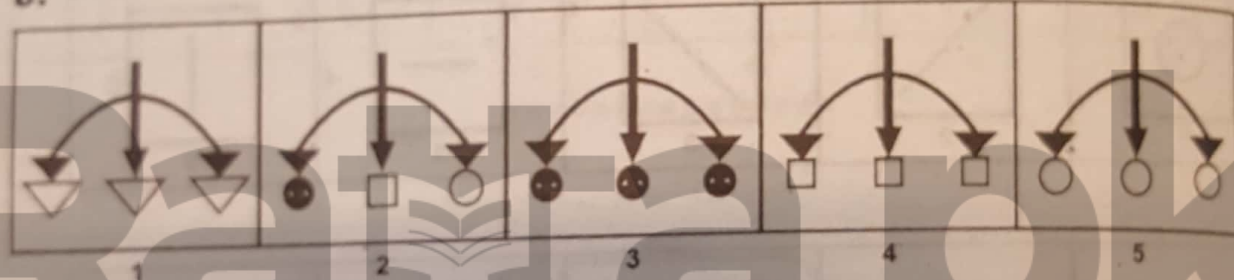
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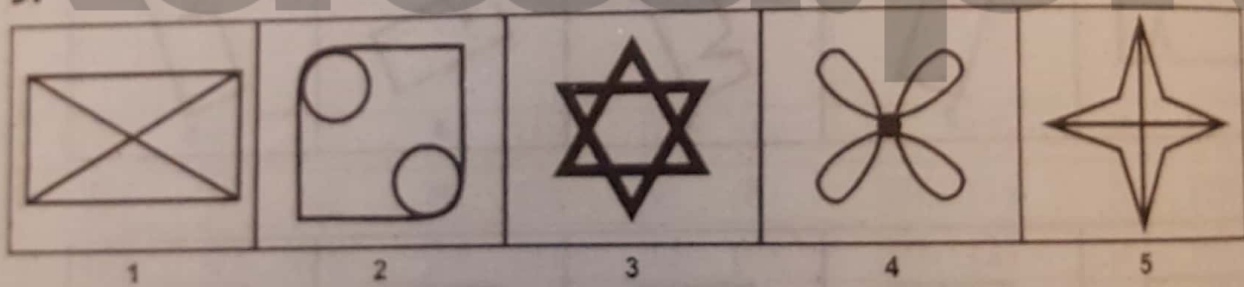
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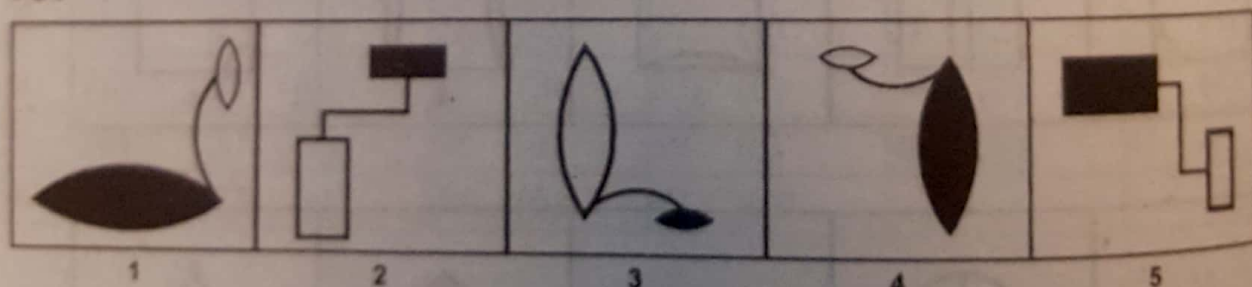
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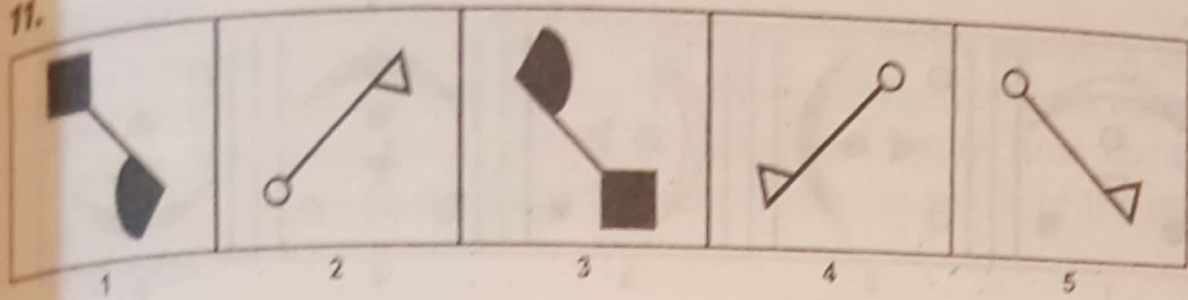
9.



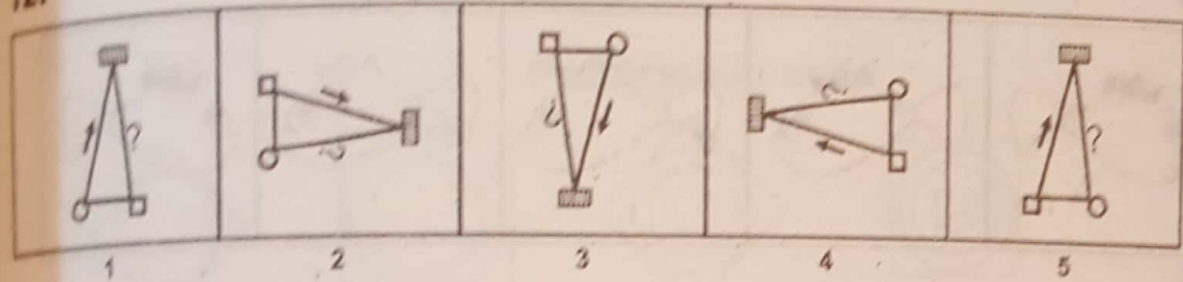
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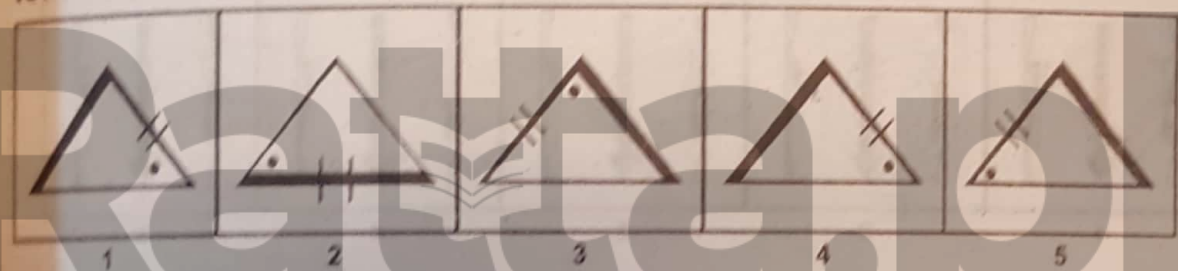
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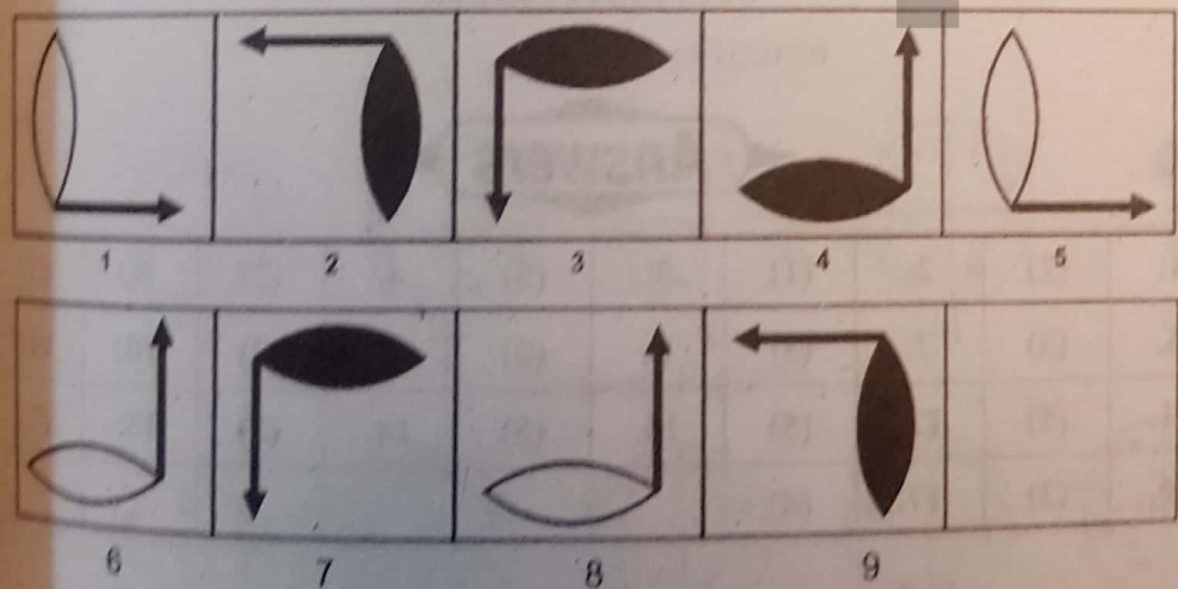
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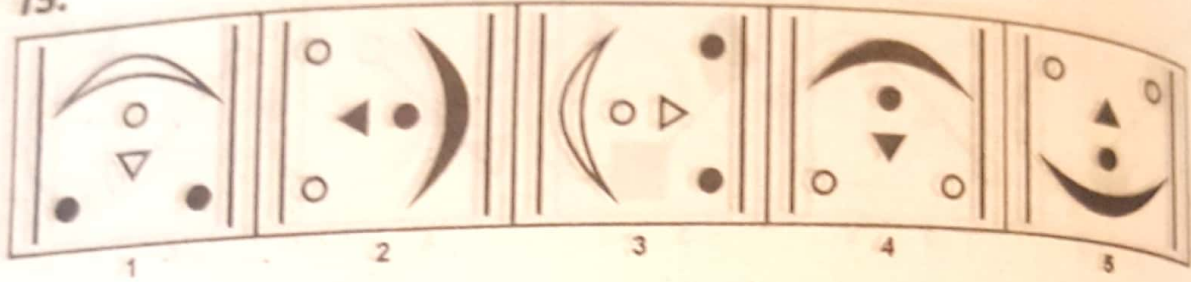
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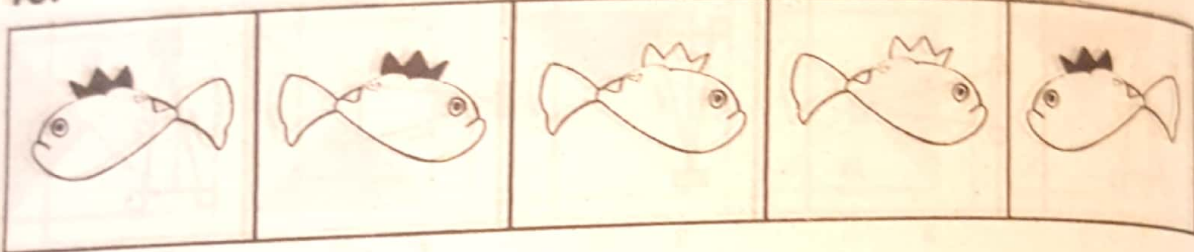
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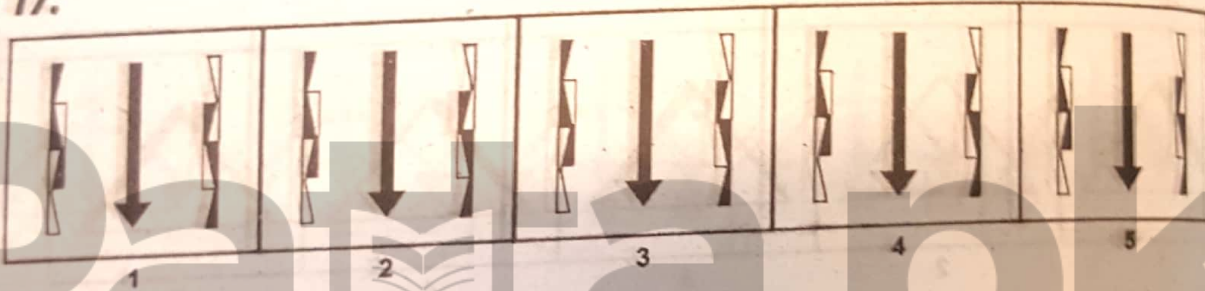
15.



16.



17.



Answers

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1. | (2) | 2. | (1) | 3. | (5) | 4. | (2) | 5. | (3) |
| 6. | (3) | 7. | (3) | 8. | (2) | 9. | (3) | 10. | (4) |
| 11. | (5) | 12. | (5) | 13. | (5) | 14. | (3) | 15. | (2) |
| 16. | (2) | 17. | (4) | | | | | | |

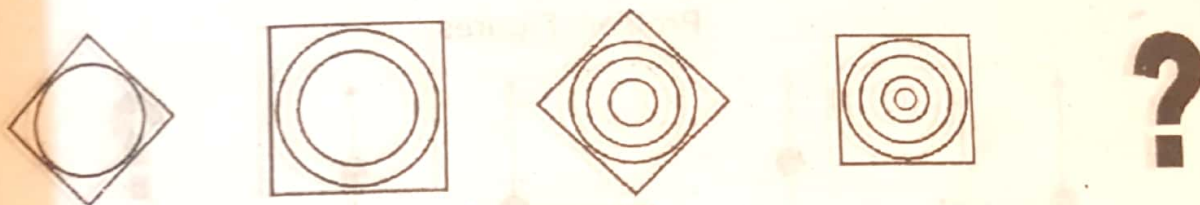
SERIES - EXERCISE

Directions:

There are two sets of figures. One set is called problem figures. Other set is called answer figures. Problem set figures form some kind of series. What you have to do is to select one figure from the answer set figures which will continue the same series as given in the problem set figures.

1.

Problem Figures

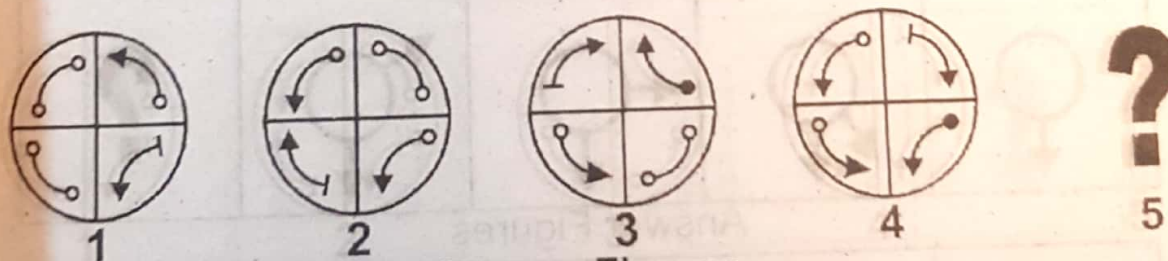


Answers Figures

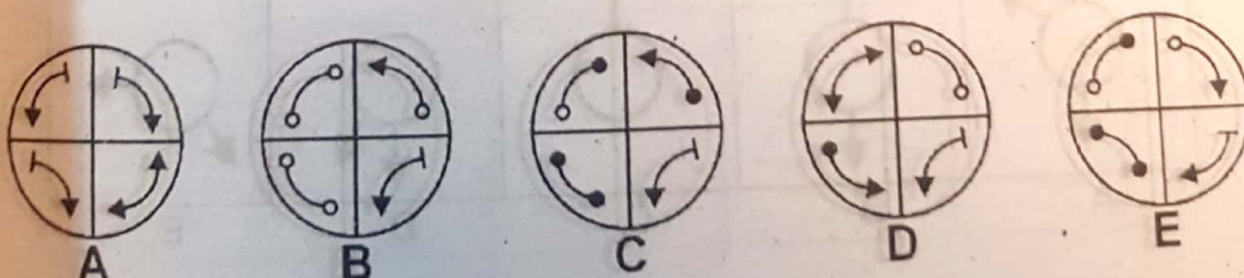


2.

Problem Figures

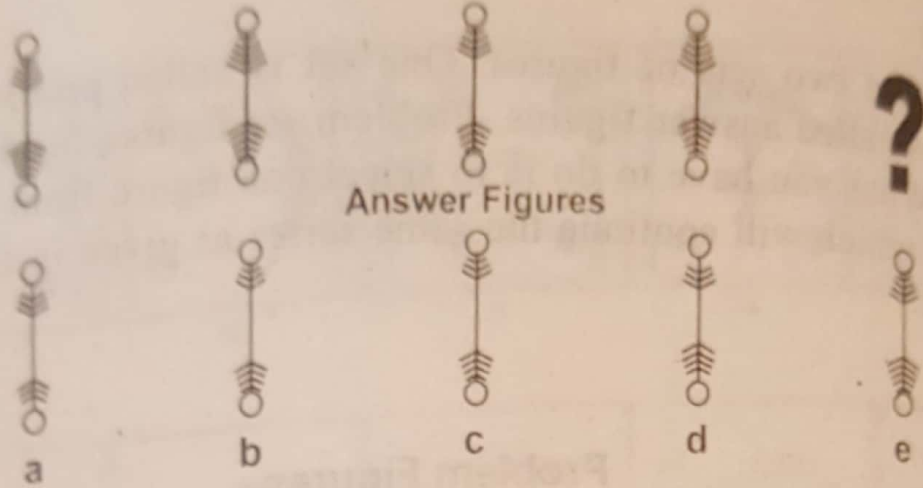


Answer Figures

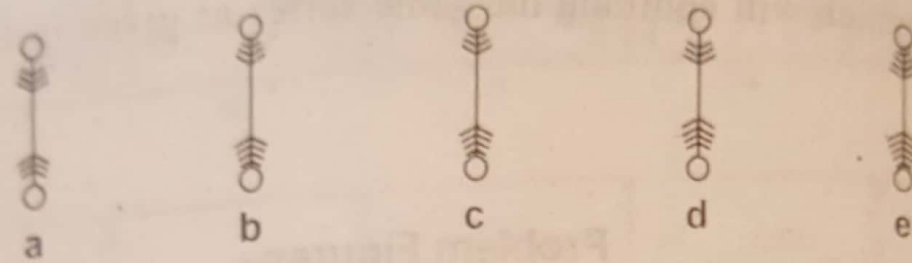


3.

Problem Figures

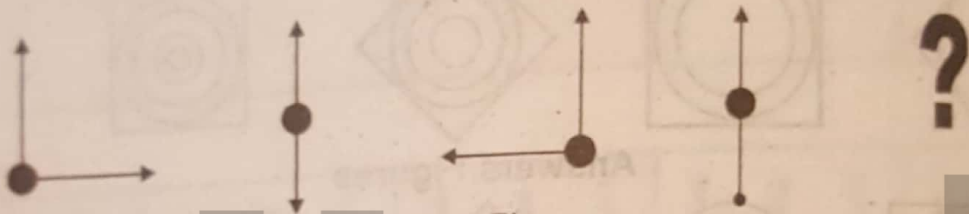


Answer Figures

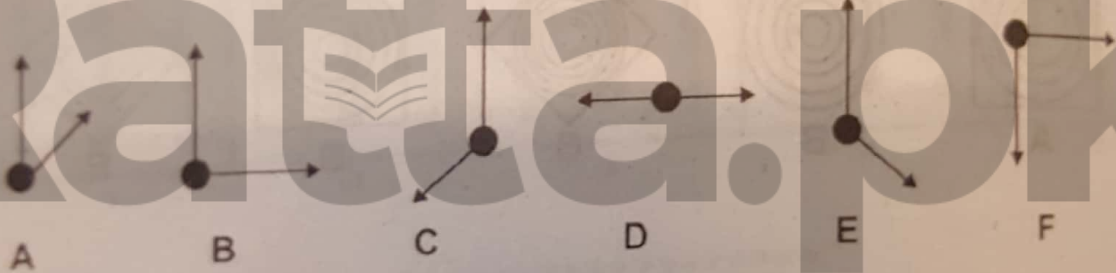


4.

Problem Figures

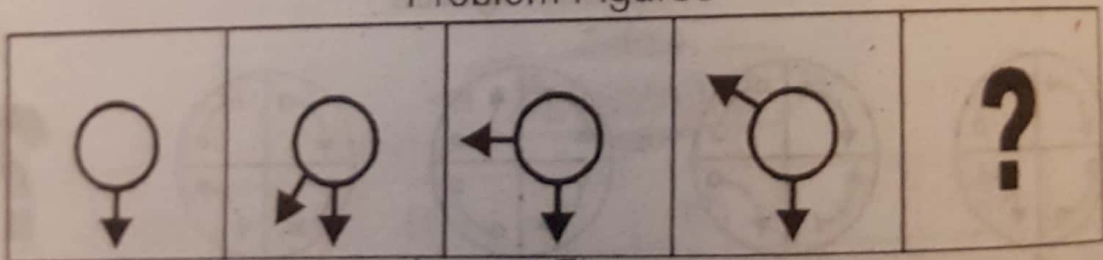


Answer Figures

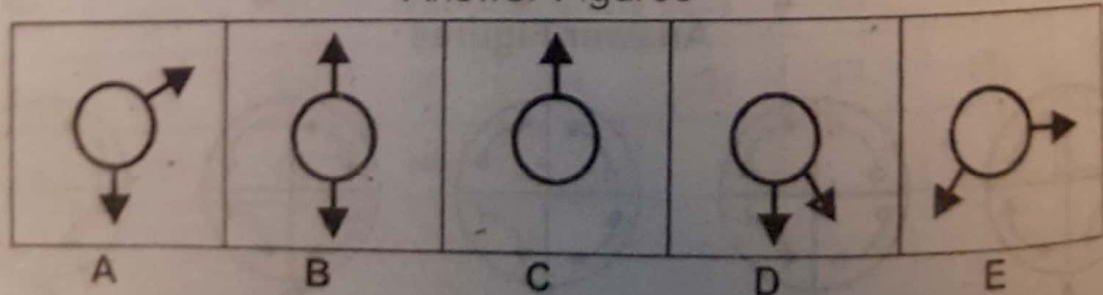


5.

Problem Figures

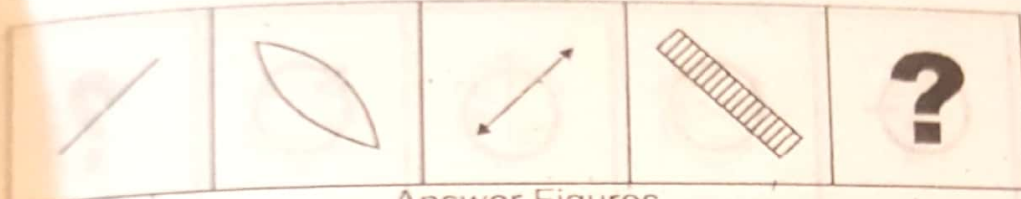


Answer Figures

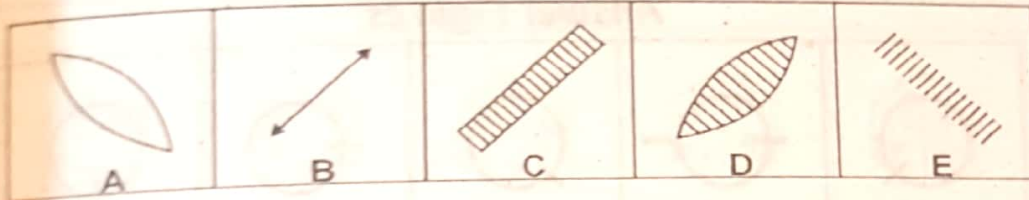


6.

Problem Figures

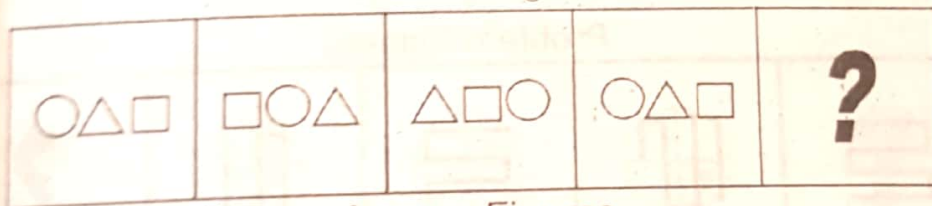


Answer Figures

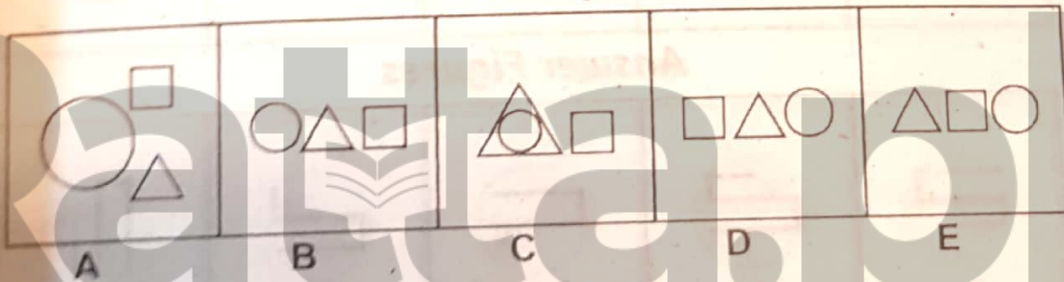


7.

Problem Figures

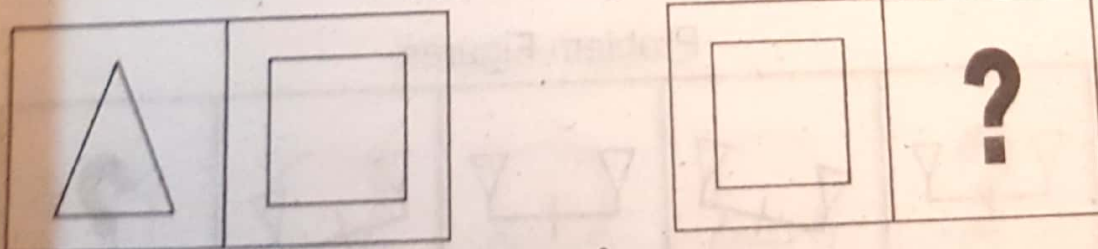


Answer Figures

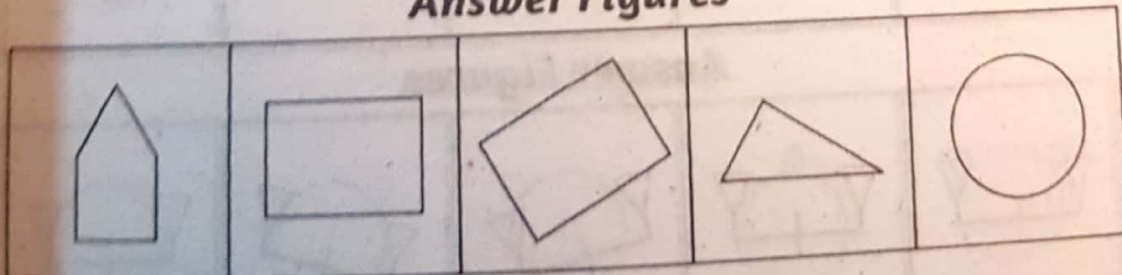


8.

Problem Figures

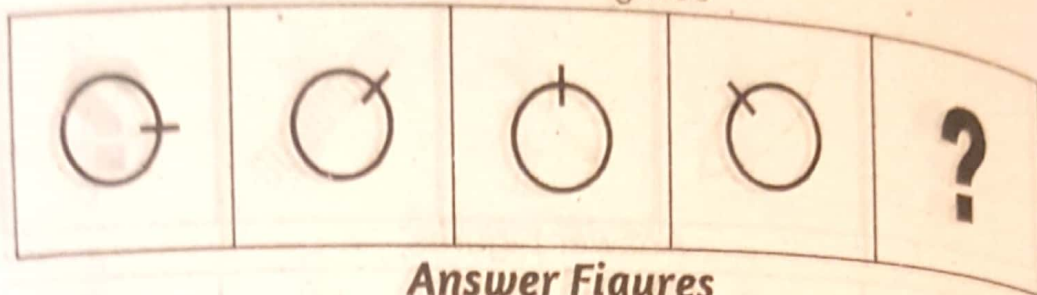


Answer Figures

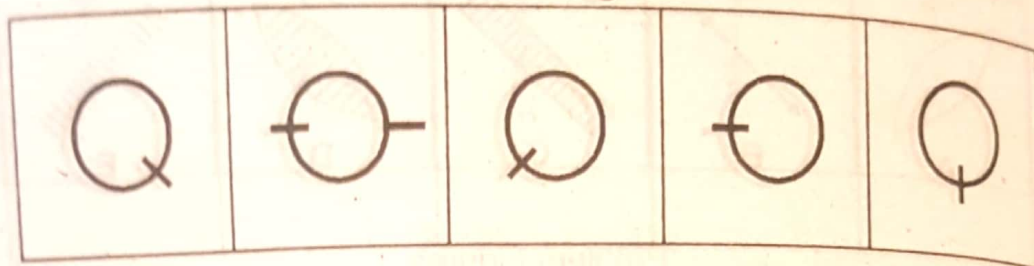


9.

Problem Figures

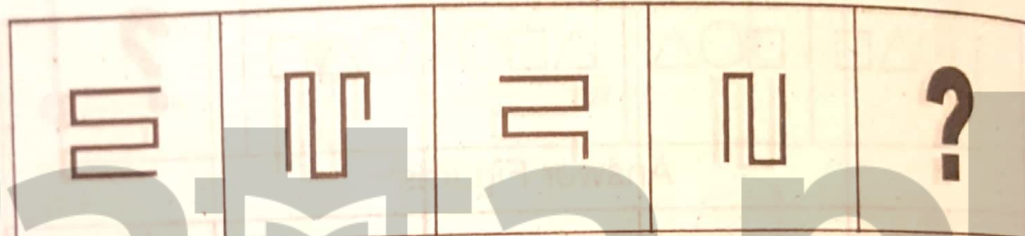


Answer Figures

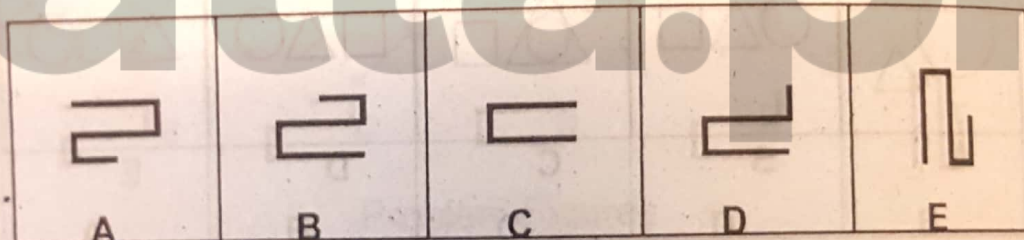


10.

Problem Figures

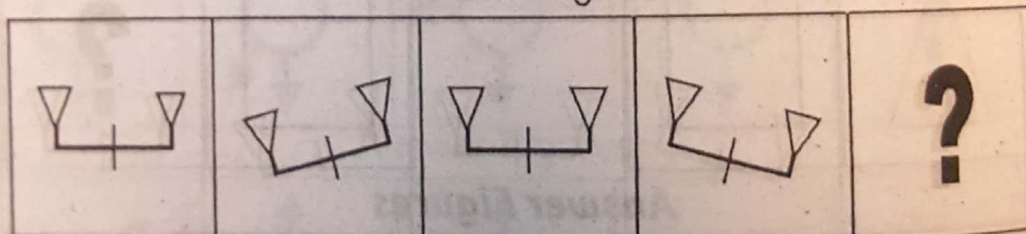


Answer Figures

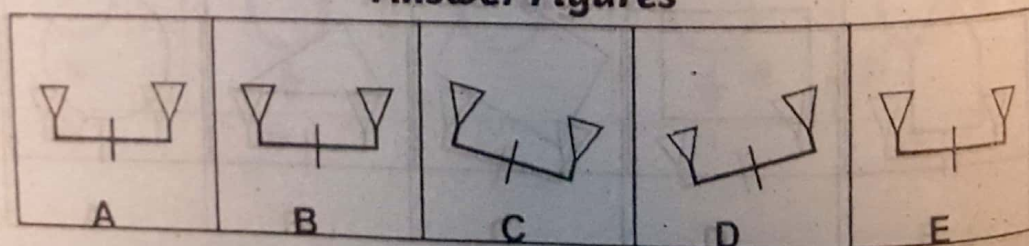


11.

Problem Figures

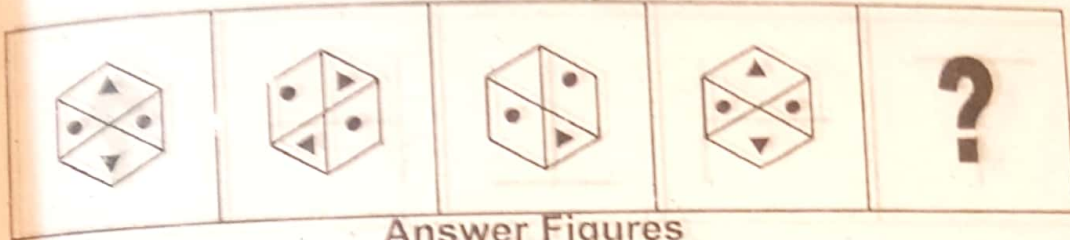


Answer Figures

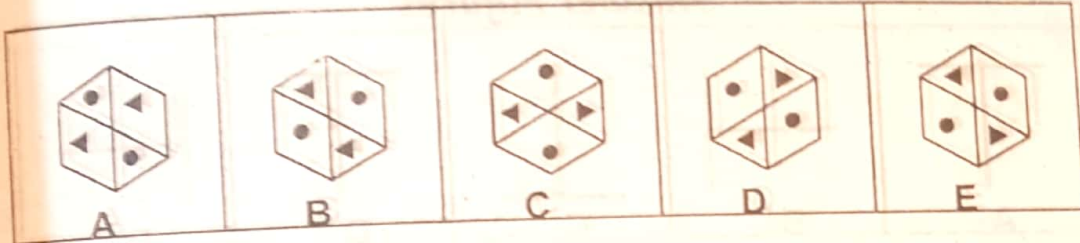


12.

Problem Figures

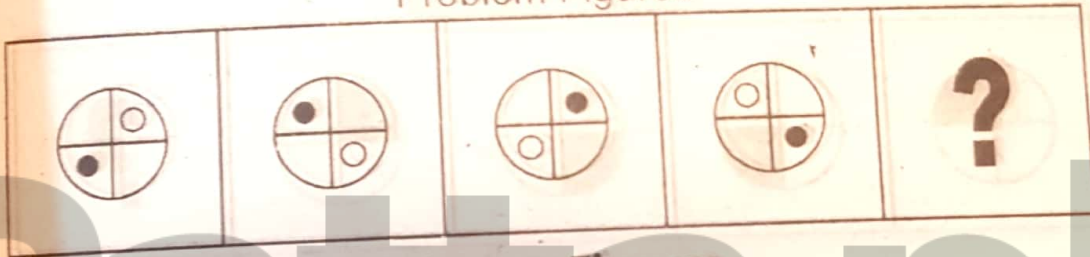


Answer Figures

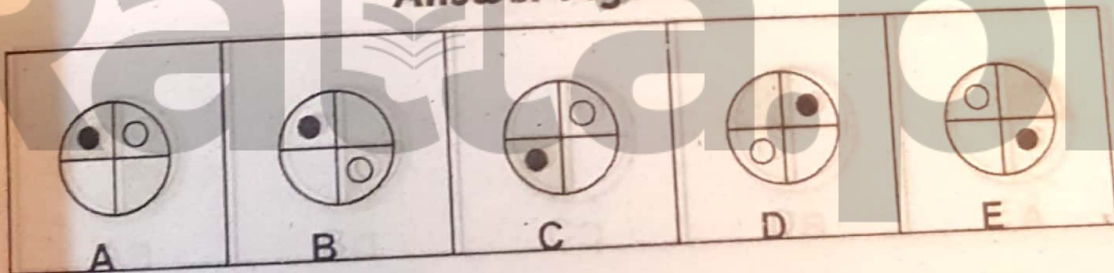


13.

Problem Figures

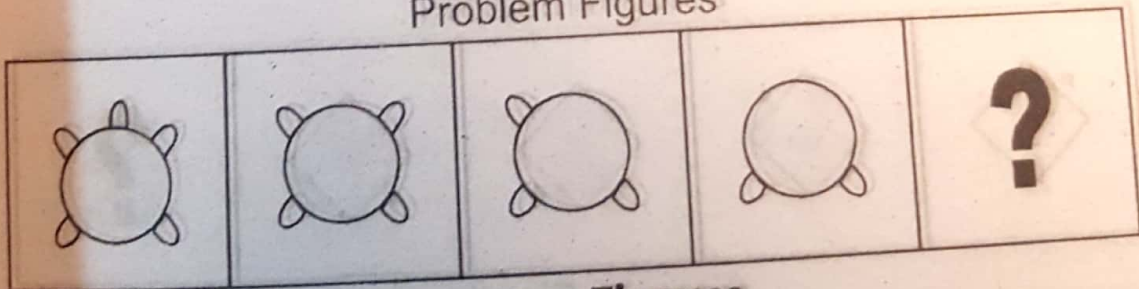


Answer Figures

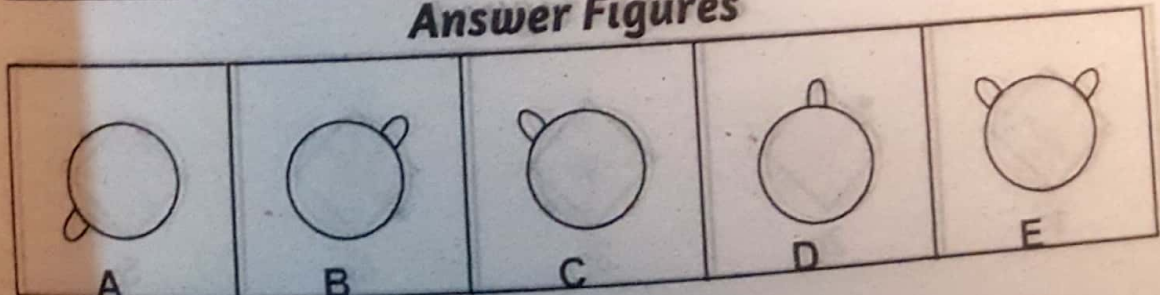


14.

Problem Figures

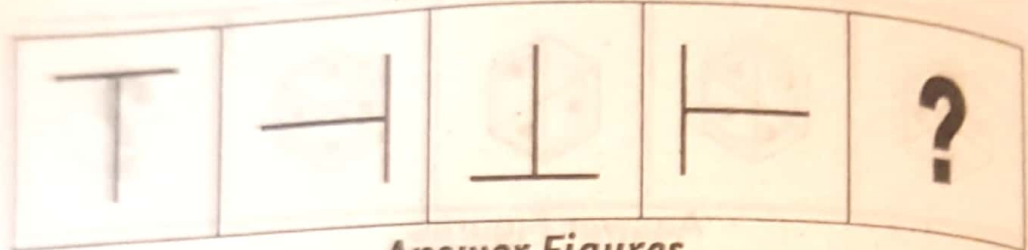


Answer Figures

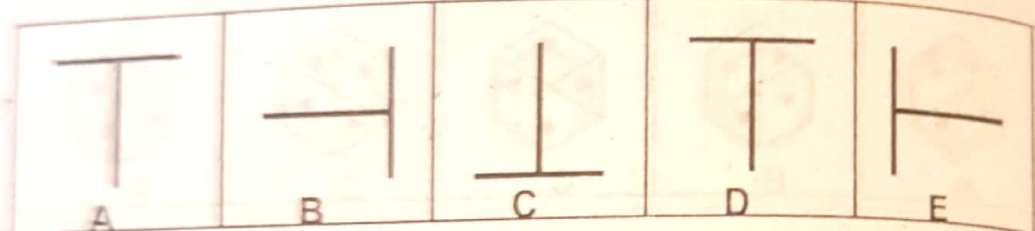


15.

Problem Figures

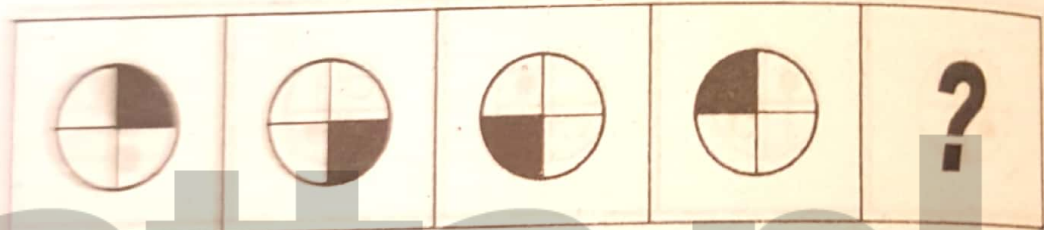


Answer Figures

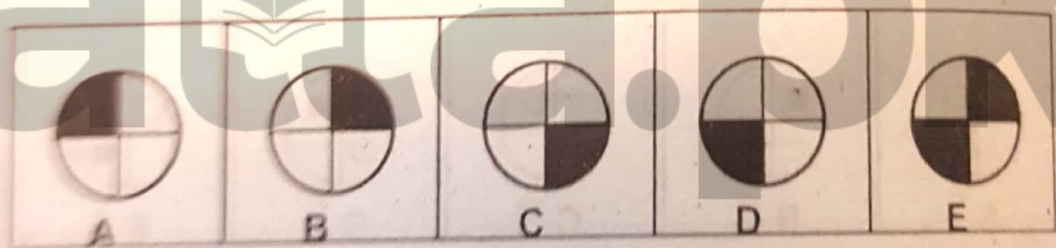


16.

Problem Figures

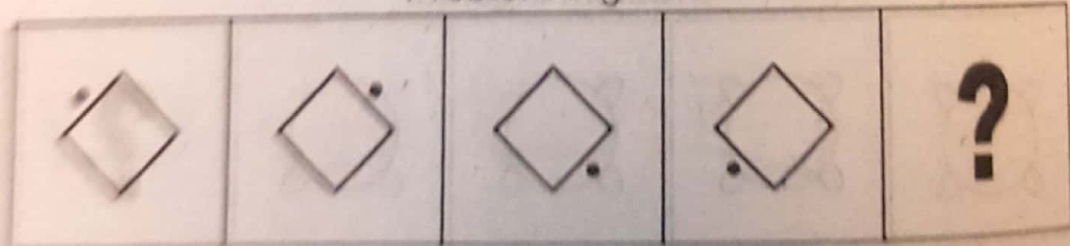


Answer Figures

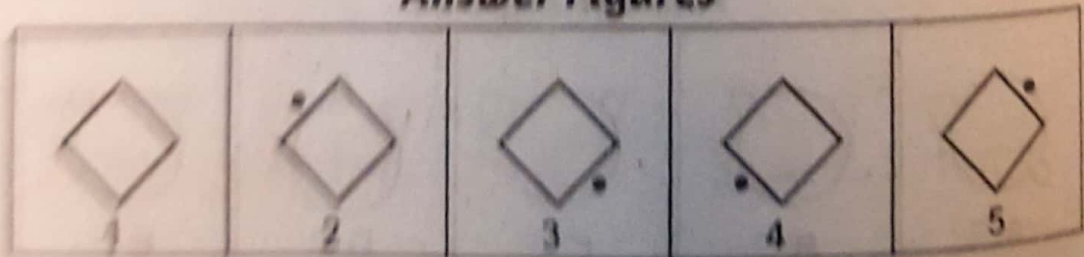


17.

Problem Figures

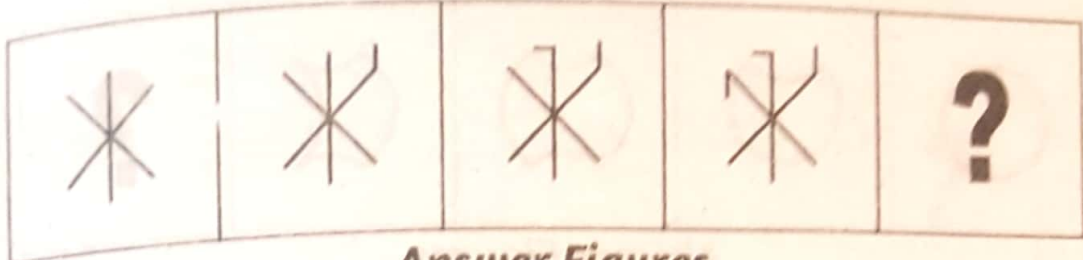


Answer Figures

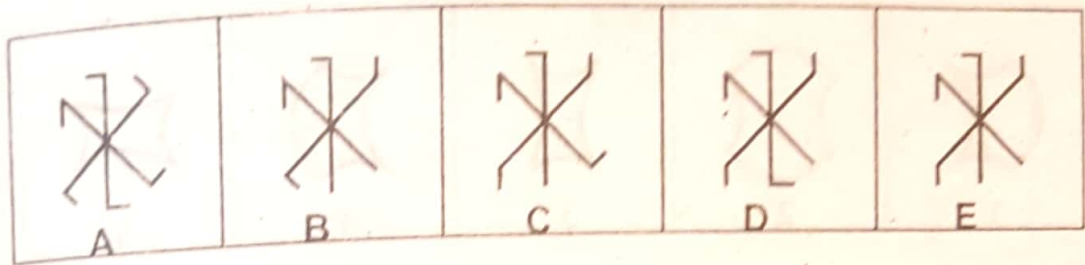


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Problem Figures

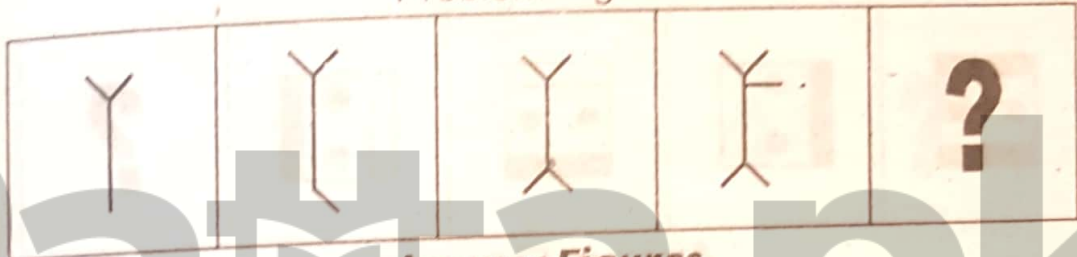


Answer Figures

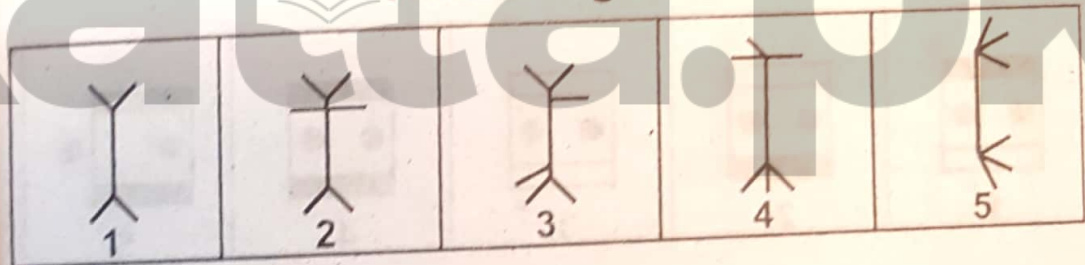


19.

Problem Figures

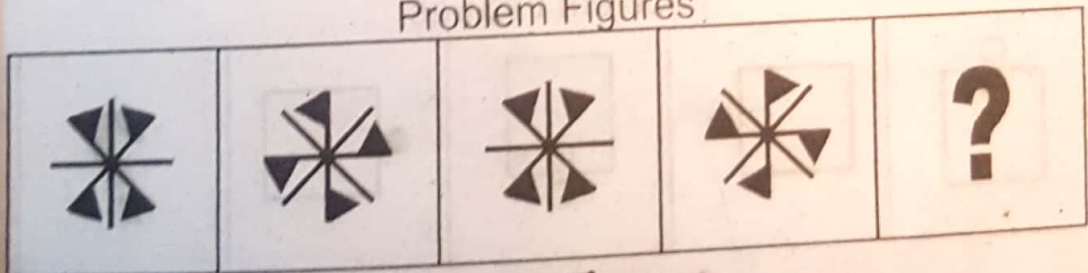


Answer Figures

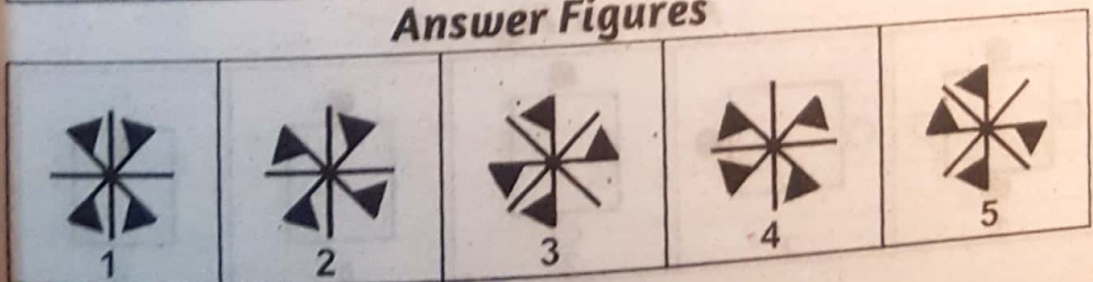


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Problem Figures

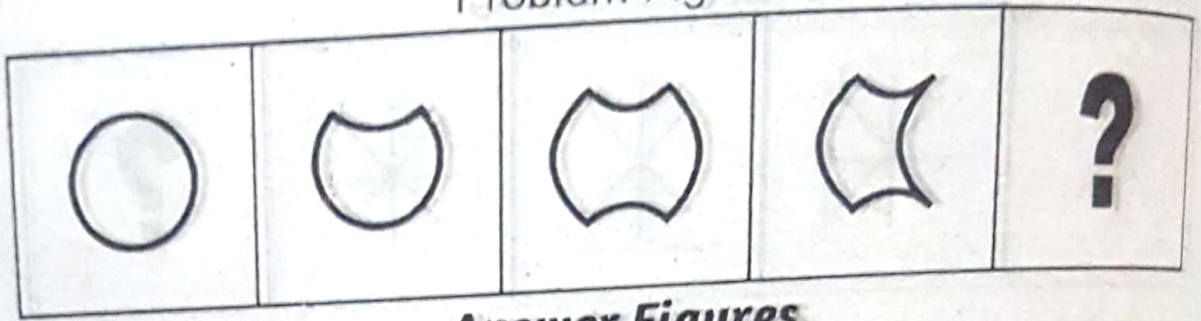


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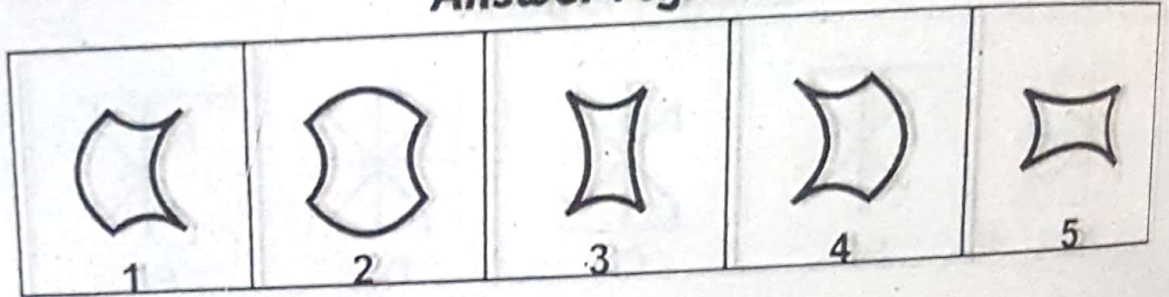


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Problem Figures

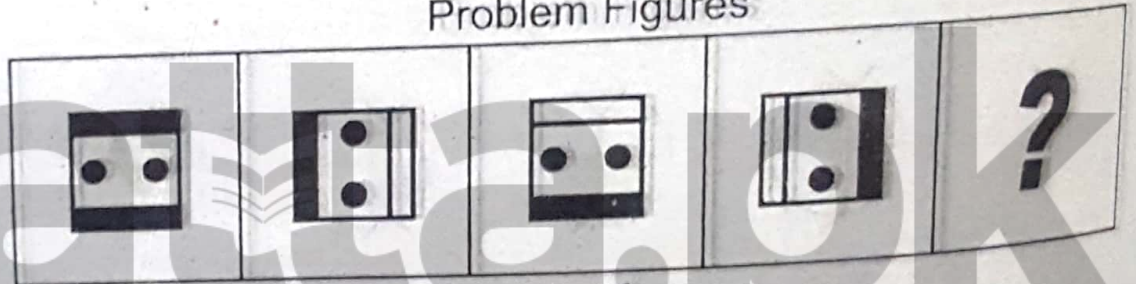


Answer Figures

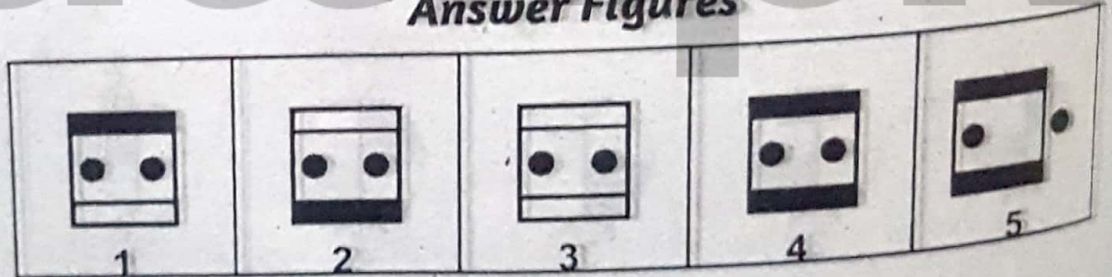


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Problem Figures

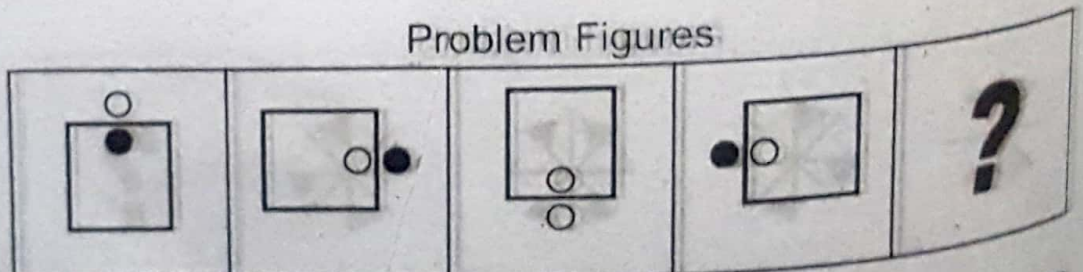


Answer Figures

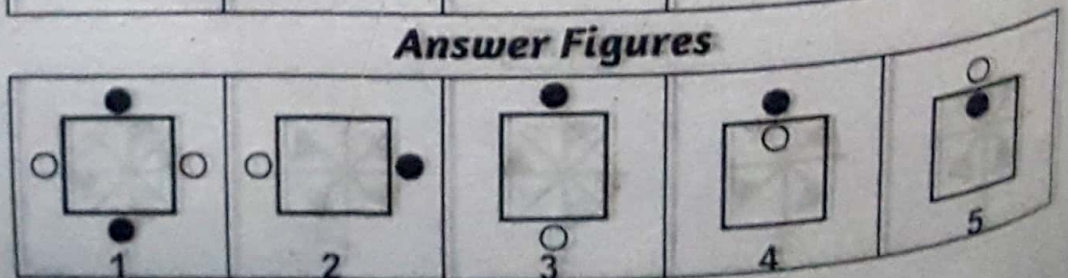


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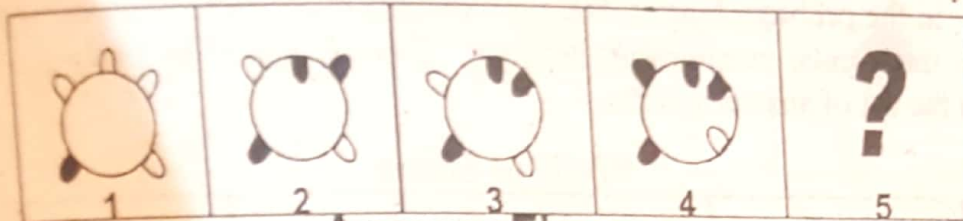
Problem Figures



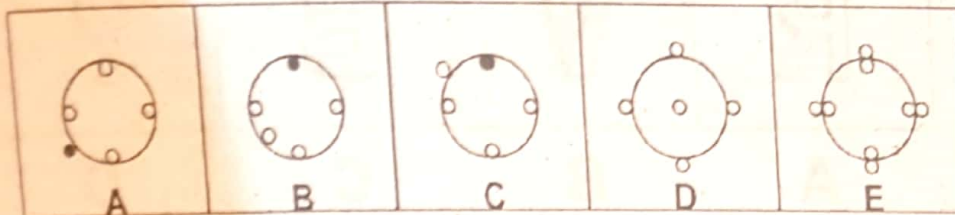
Answer Figures



Problem Figures

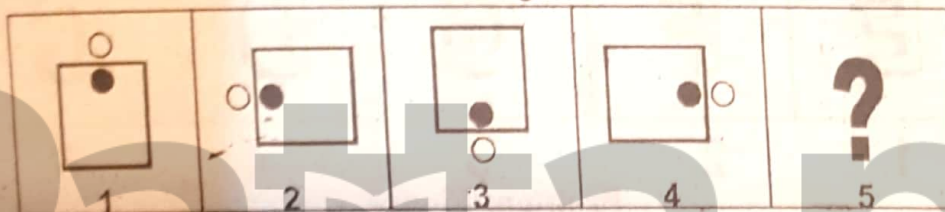


Answer Figures

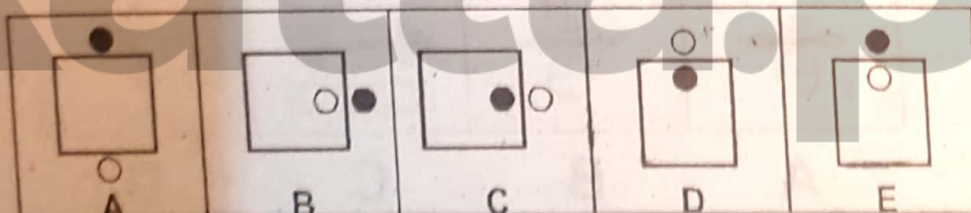


25.

Problem Figures



Answer Figures

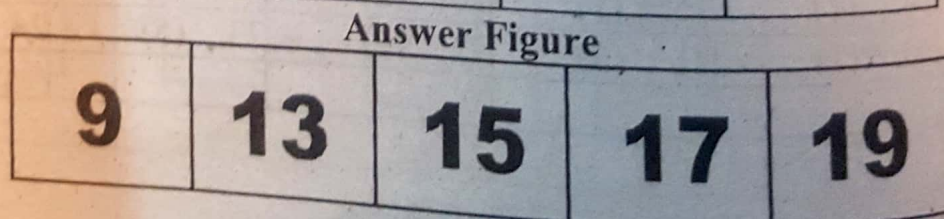
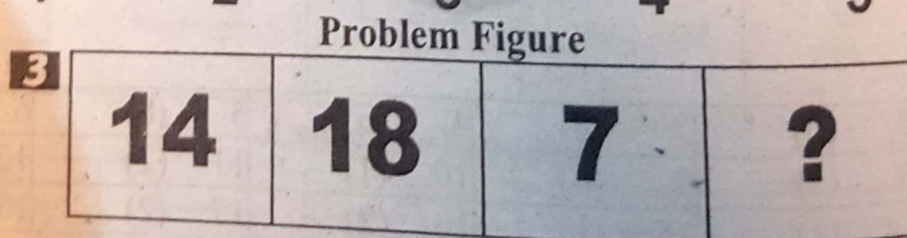
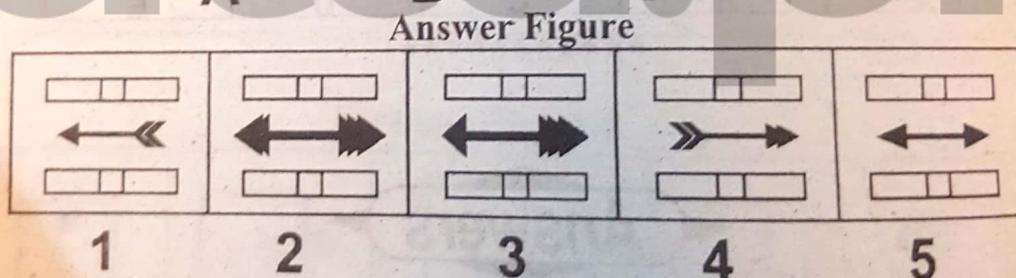
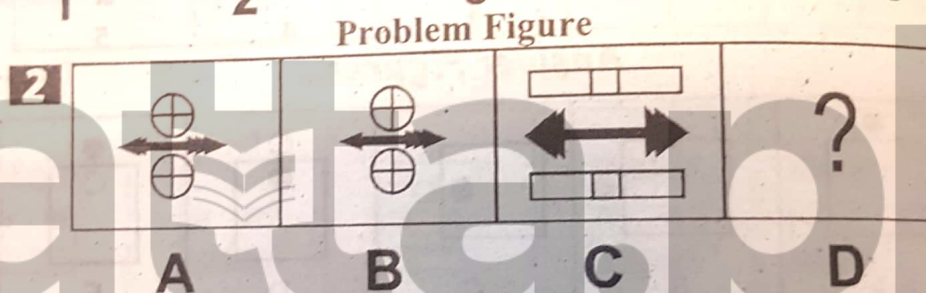
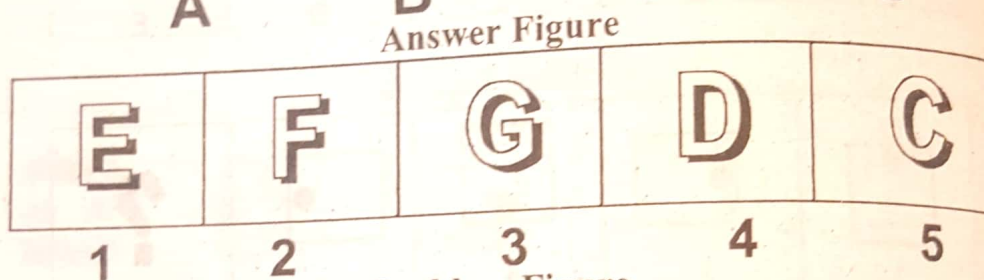
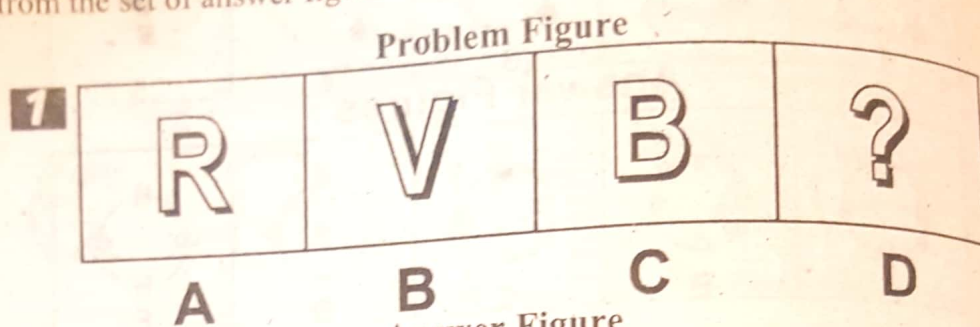


Answers

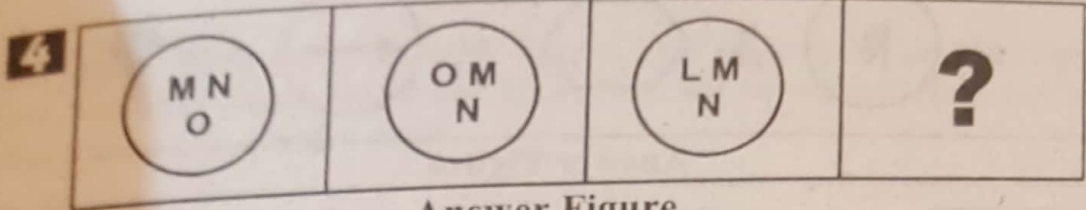
| | | | | | |
|---------|---------|---------|---------|---------|---------|
| 1. (e) | 2. (d) | 3. (e) | 4. (b) | 5. (b) | 6. (c) |
| 7. (b) | 8. (a) | 9. (4) | 10. (1) | 11. (2) | 12. (4) |
| 13. (3) | 14. (1) | 15. (1) | 16. (2) | 17. (2) | 18. (5) |
| 19. (3) | 20. (1) | 21. (3) | 22. (1) | 23. (5) | 24. (3) |
| 25. (4) | | | | | |

ANALOGIES - EXERCISE

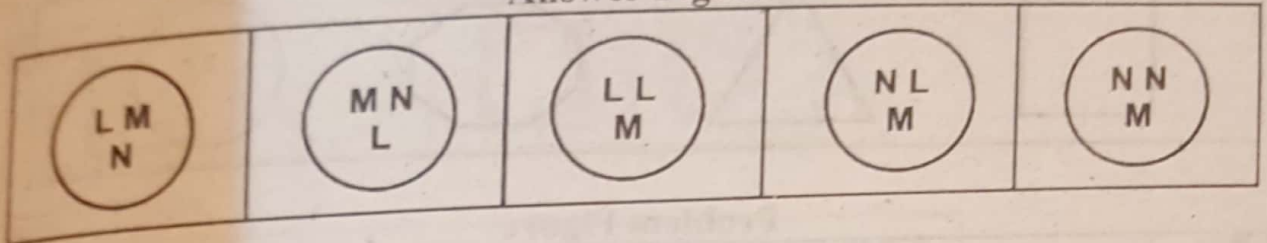
Directions: In the problem figures, there is a definite relationship between figures A and B. Establish the similar relationship between figures C and D by choosing a suitable figure from the set of answer figures.



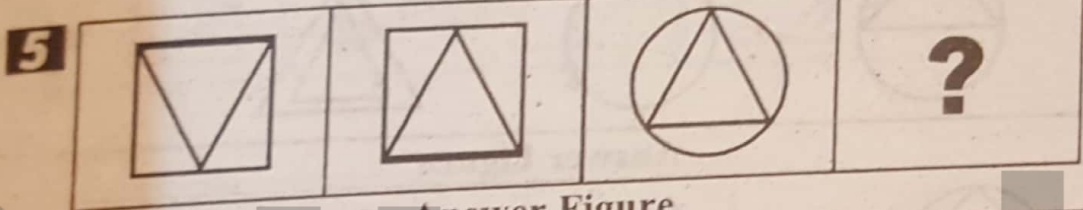
Problem Figure



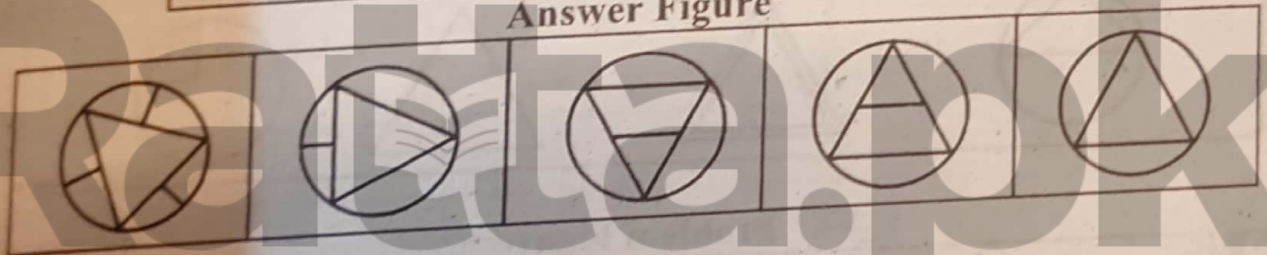
Answer Figure



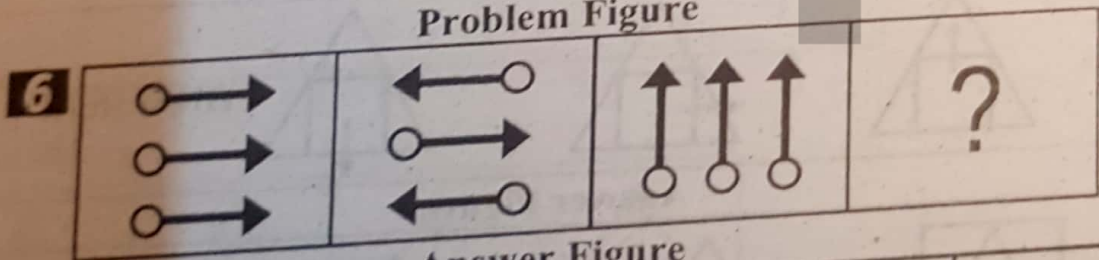
Problem Figure



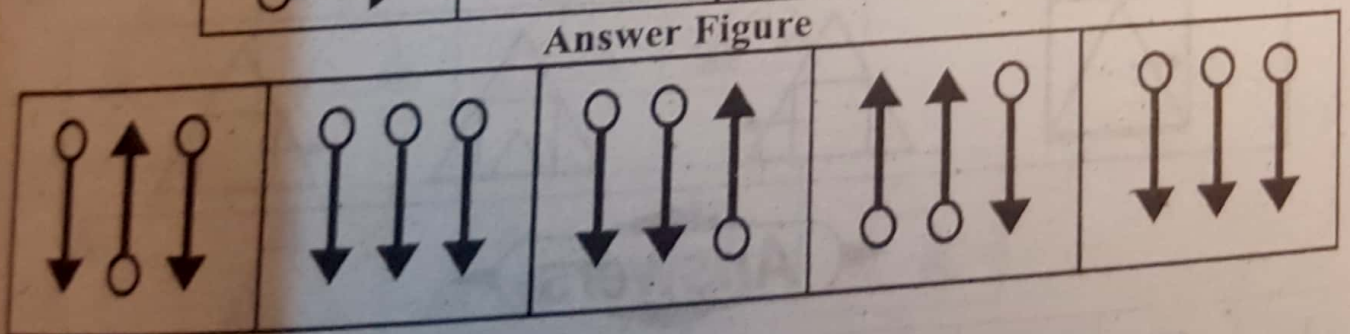
Answer Figure



Problem Figure

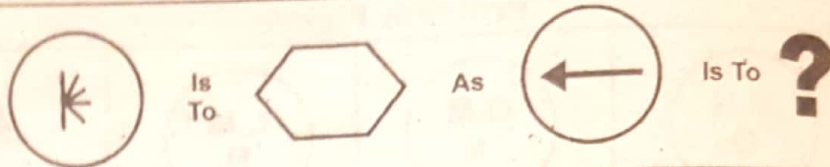


Answer Figure

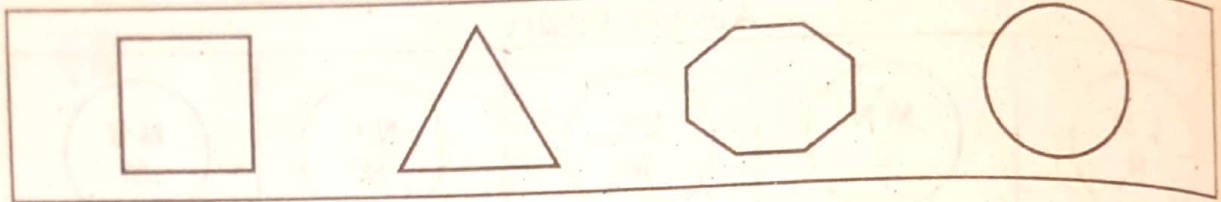


Problem Figure

7

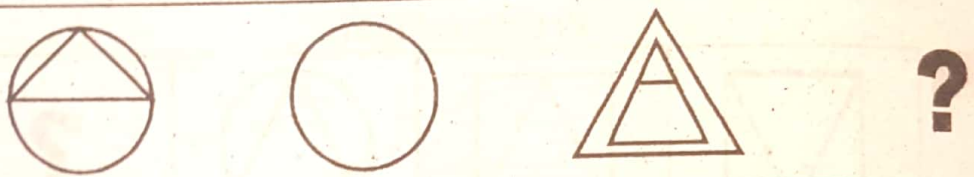


Answer Figure



Problem Figure

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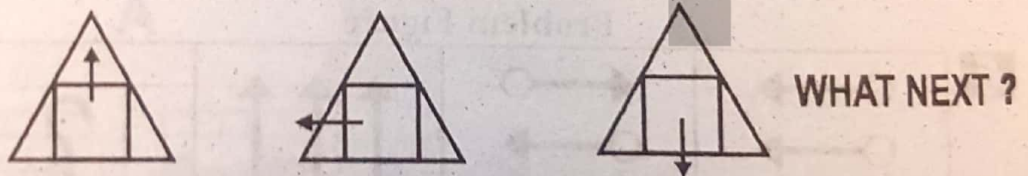


Answer Figure

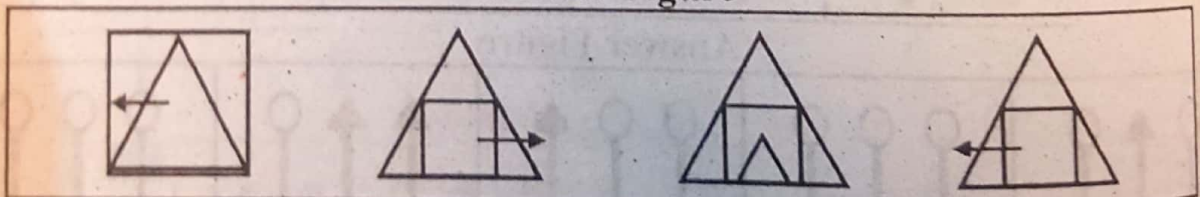


Problem Figure

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Answer Figure



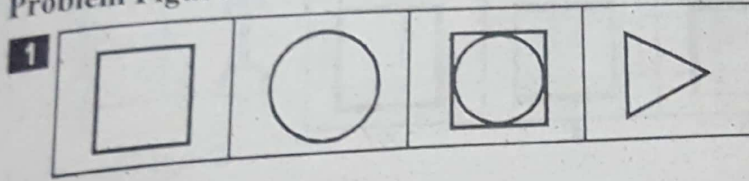
Answers

| | | | | | | | | | |
|----|-----|----|-----|----|-----|----|-----|----|-----|
| 1. | (2) | 2. | (3) | 3. | (1) | 4. | (4) | 5. | (6) |
| 6. | (1) | 7. | (2) | 8. | (2) | 9. | (2) | | |

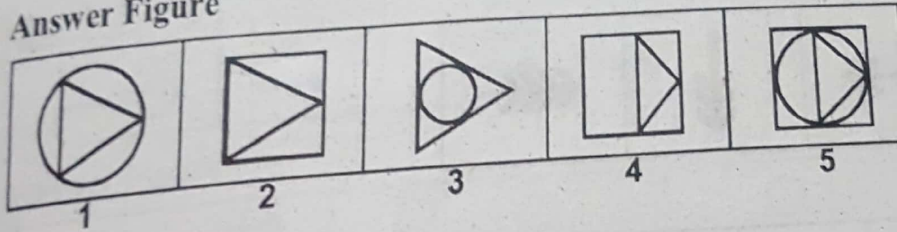
EXERCISE

Directions: There are two sets of figures. One set is called problem figures, other set is called answer figures. Select one figure from the answer set which can be replaced for the blank square or question mark.

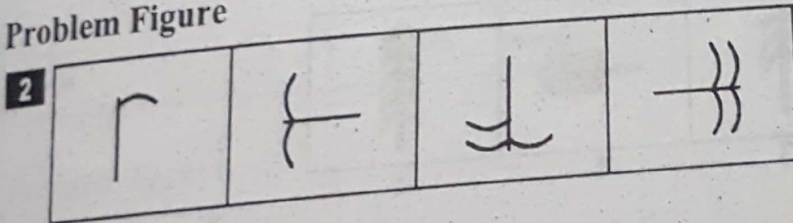
Problem Figure



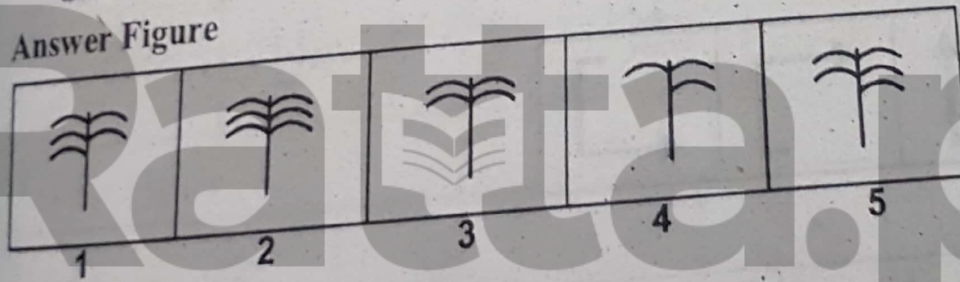
Answer Figure



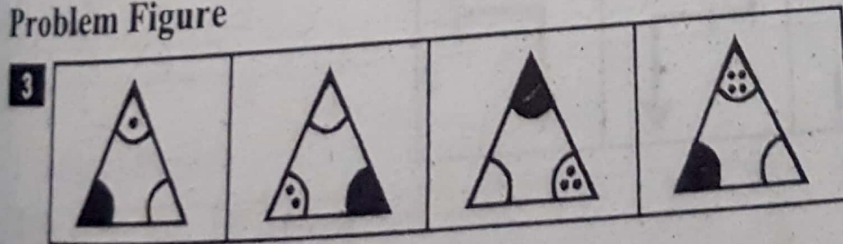
Problem Figure



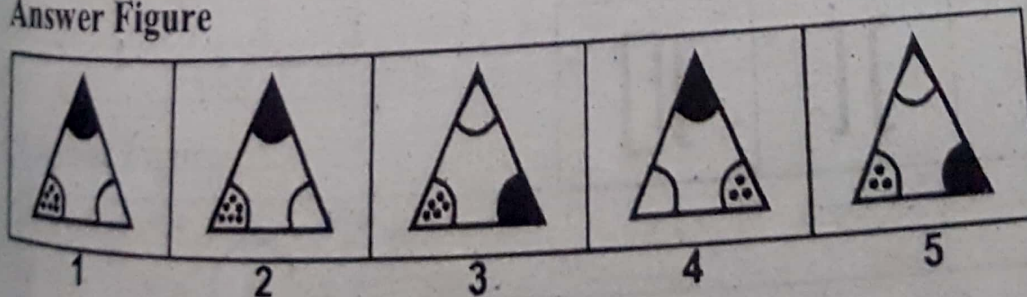
Answer Figure



Problem Figure

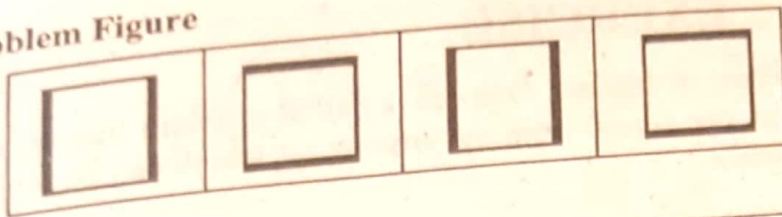


Answer Figure



Problem Figure

4



Answer Figure

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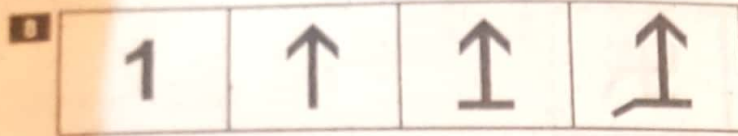
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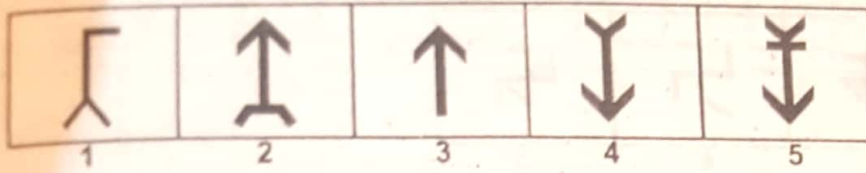
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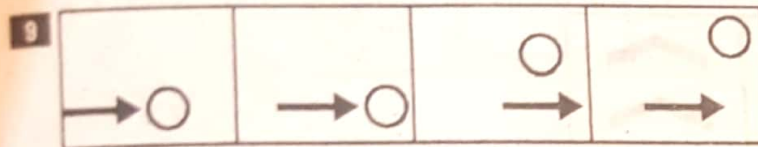
Problem Figure



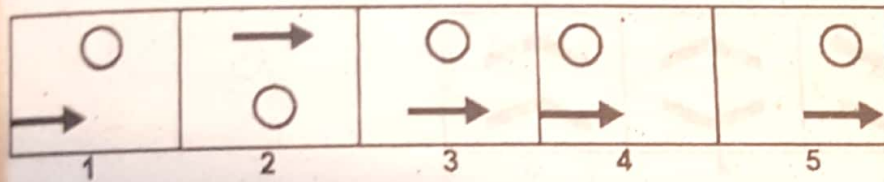
Answer Figure



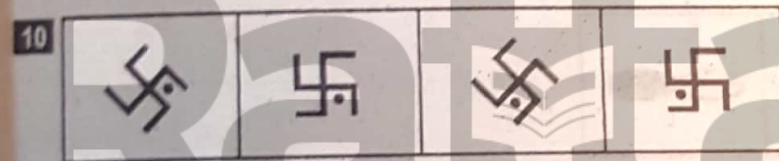
Problem Figure



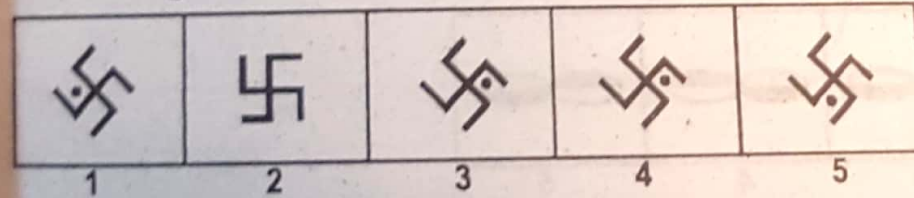
Answer Figure



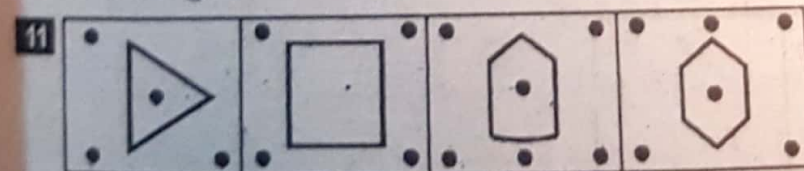
Problem Figure



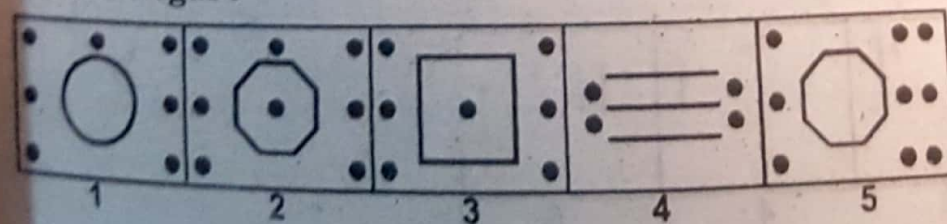
Answer Figure



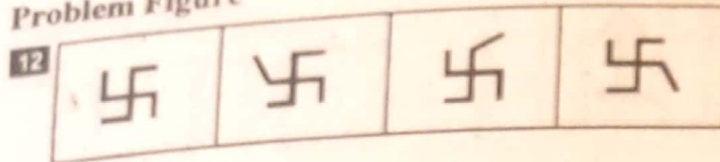
Problem Figure



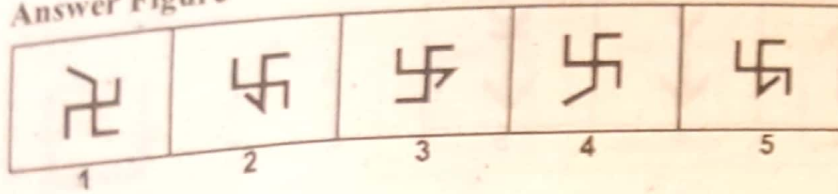
Answer Figure



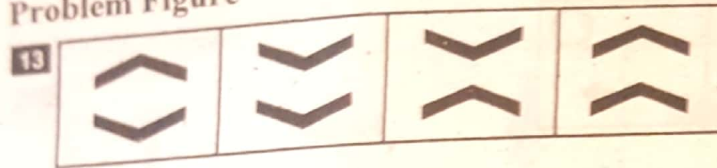
Problem Figure



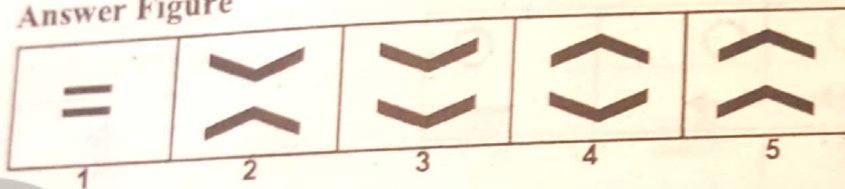
Answer Figure



Problem Figure



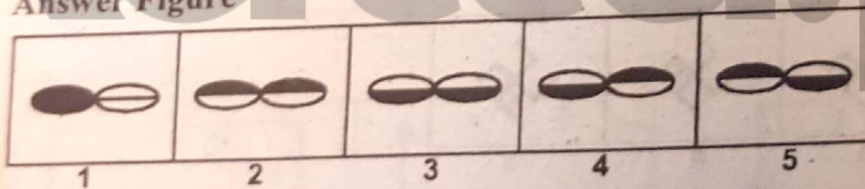
Answer Figure



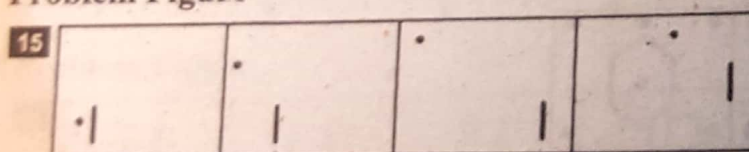
Problem Figure



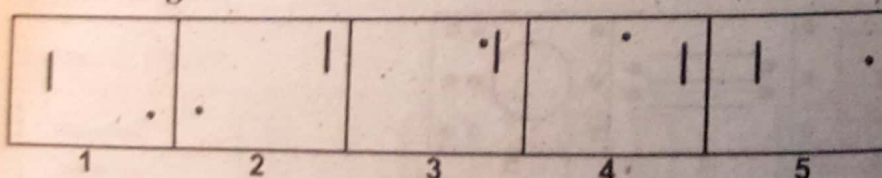
Answer Figure



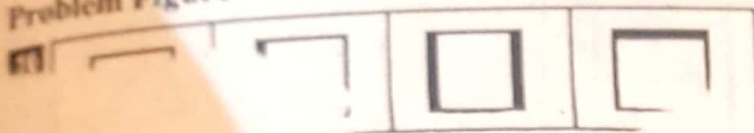
Problem Figure



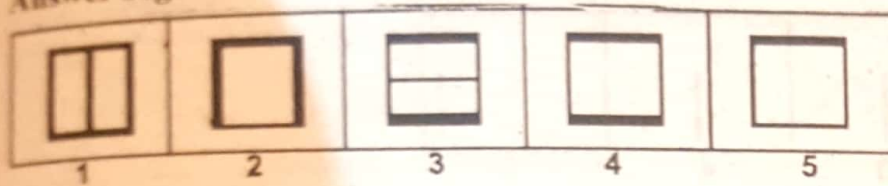
Answer Figure



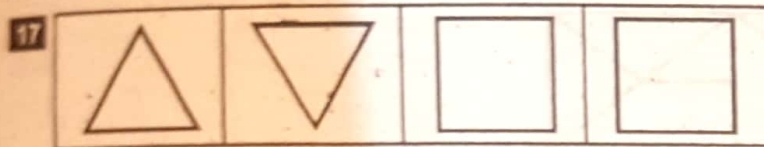
Problem Figure



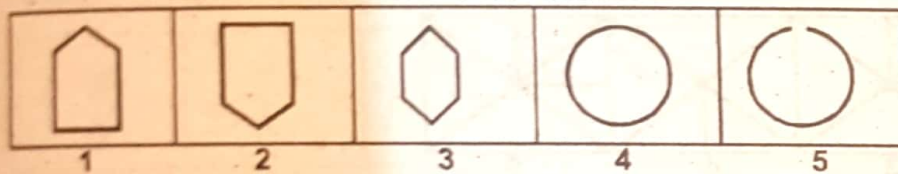
Answer Figure



Problem Figure



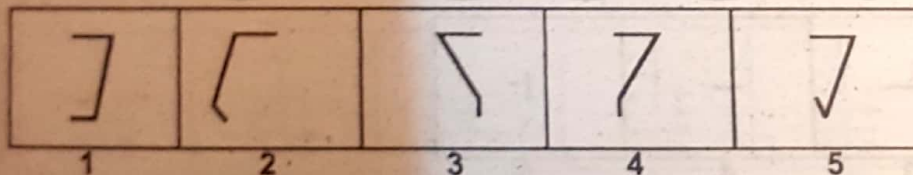
Answer Figure



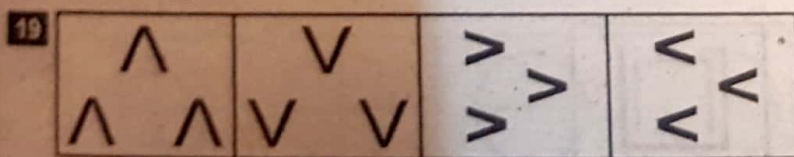
Problem Figure



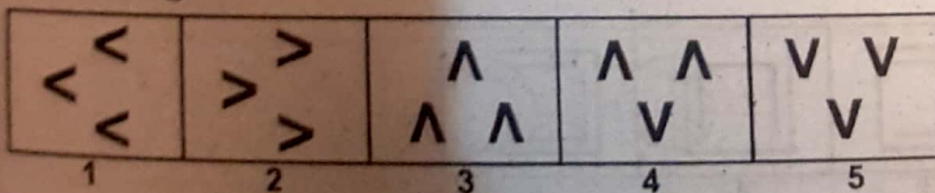
Answer Figure



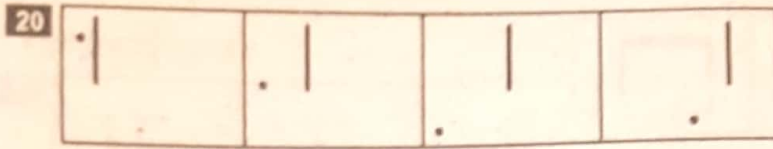
Problem Figure



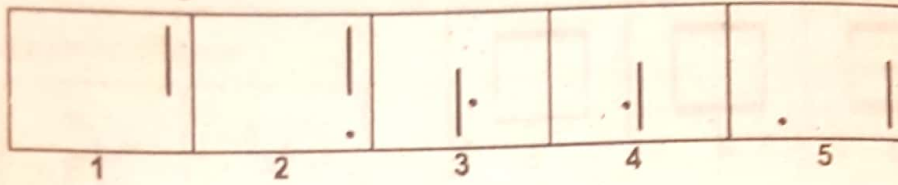
Answer Figure



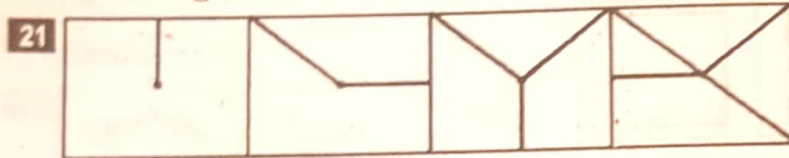
Problem Figure



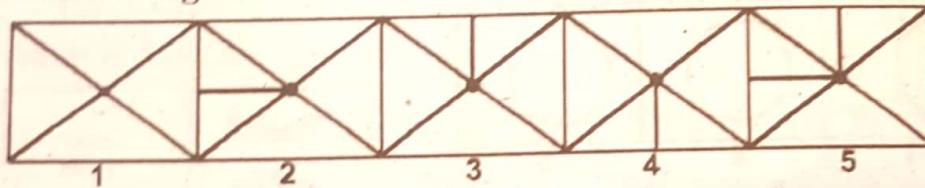
Answer Figure



Problem Figure



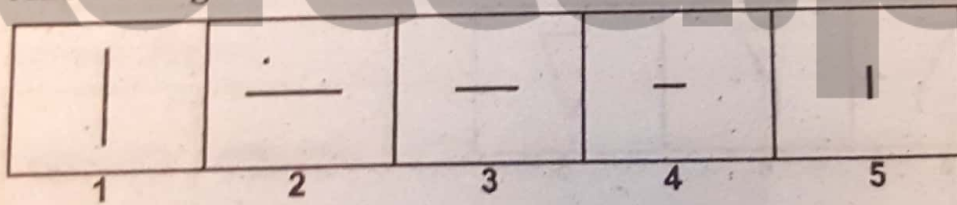
Answer Figure



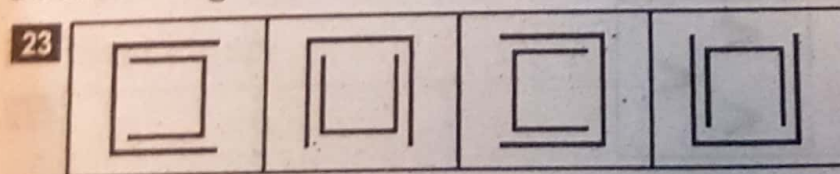
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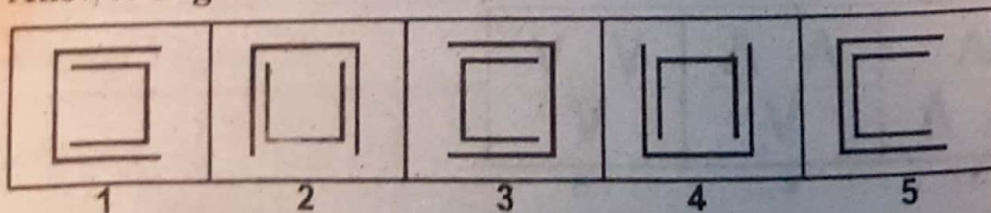
Answer Figure



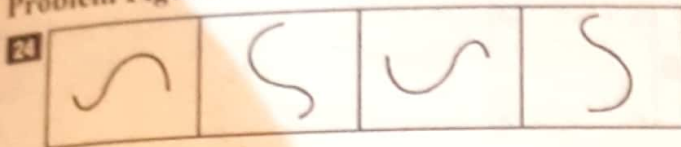
Problem Figure



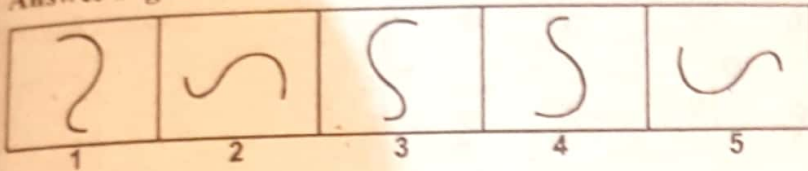
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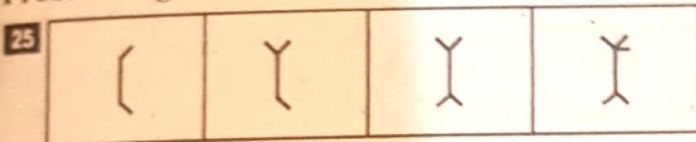
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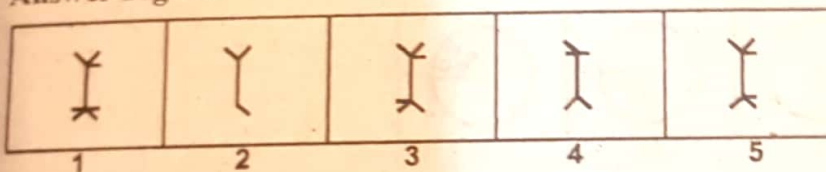
Answer Figure



Problem Figure



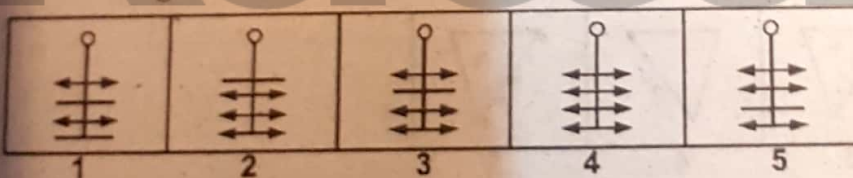
Answer Figure



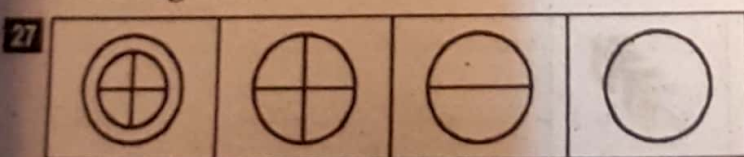
Problem Figure



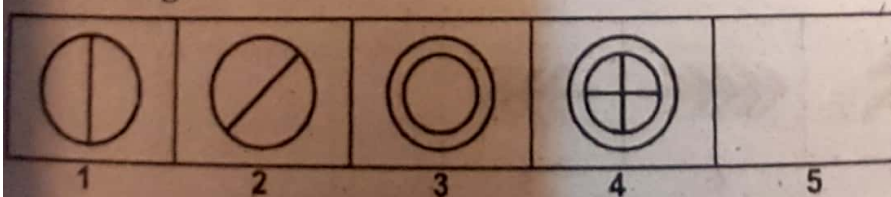
Answer Figure



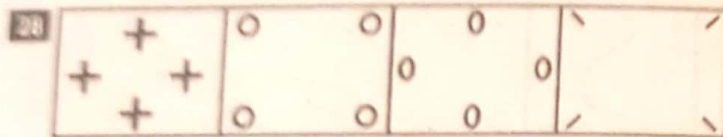
Problem Figure



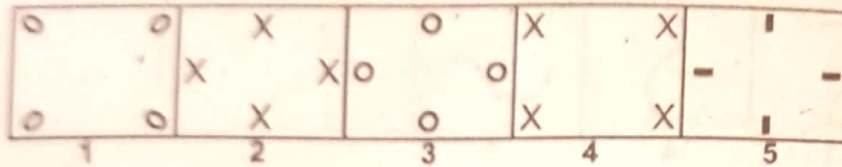
Answer Figure



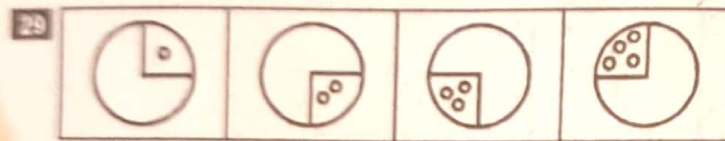
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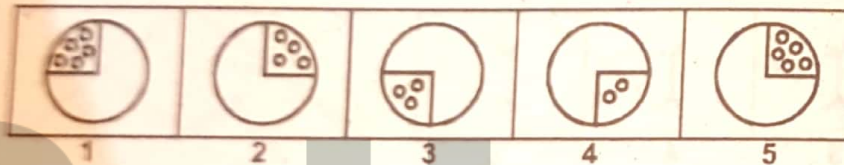
Answer Figure



Problem Figure



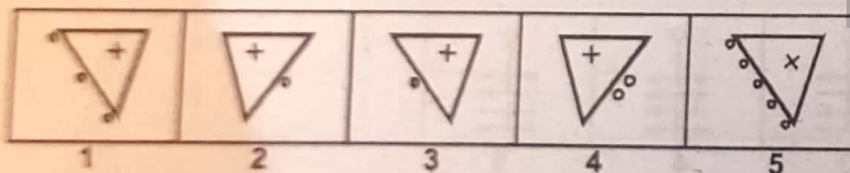
Answer Figure



Problem Figure



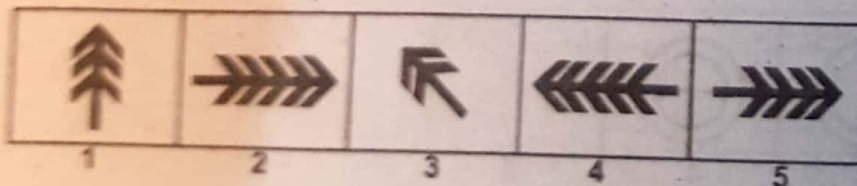
Answer Figure



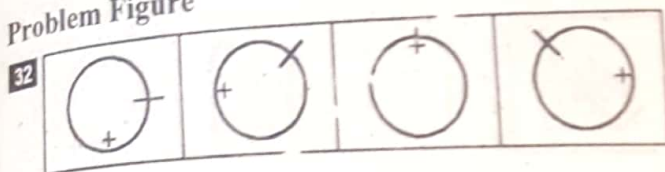
Problem Figure



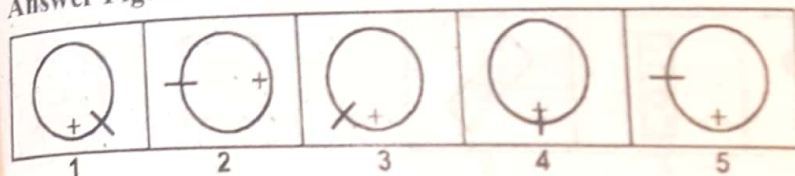
Answer Figure



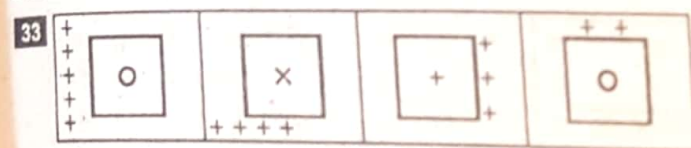
Problem Figure



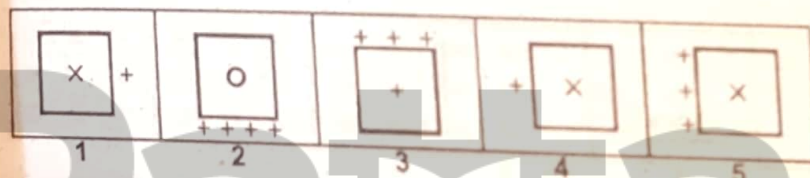
Answer Figure



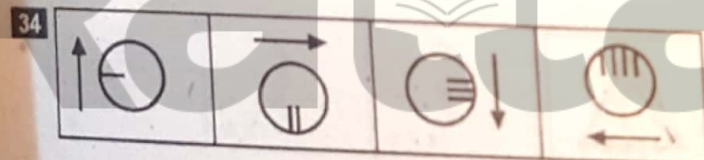
Problem Figure



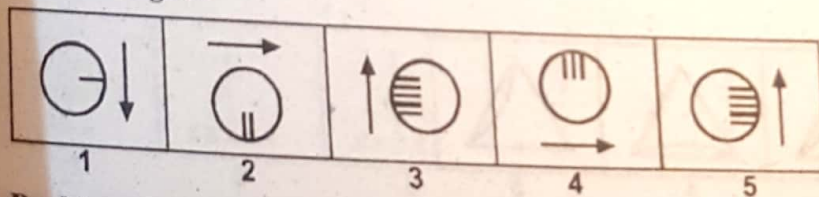
Answer Figure



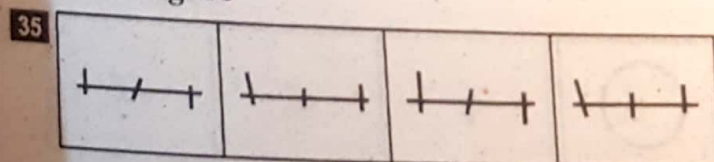
Problem Figure



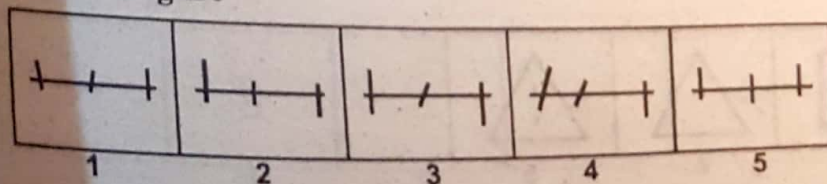
Answer Figure



Problem Figure

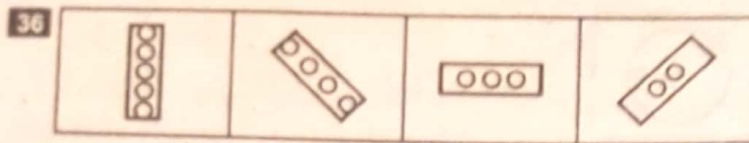


Answer Figure

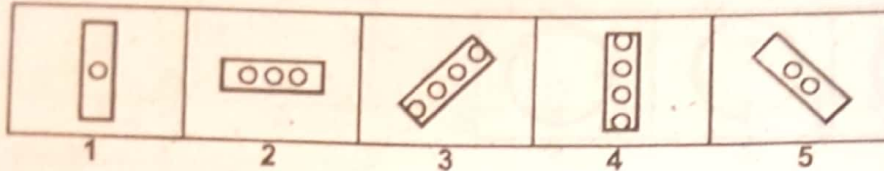




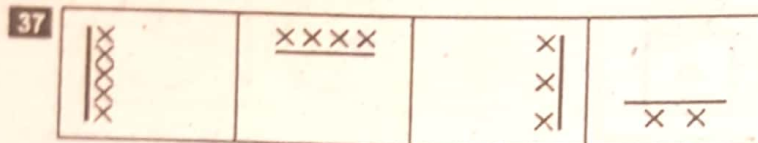
Problem Figure



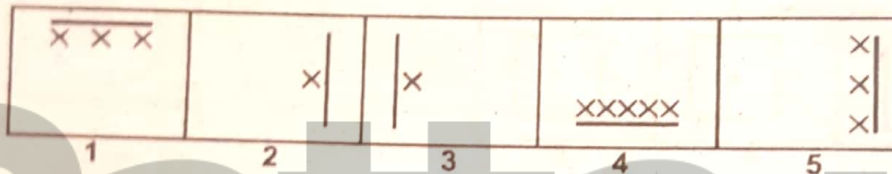
Answer Figure



Problem Figure



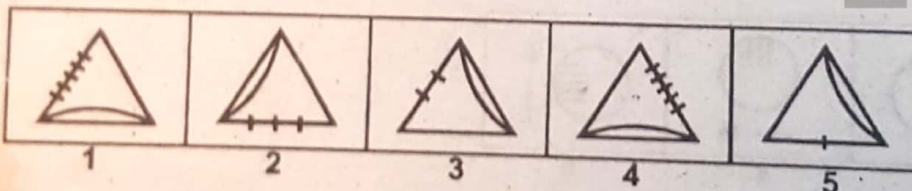
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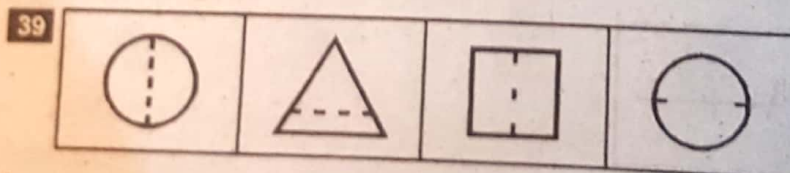
Problem Figure



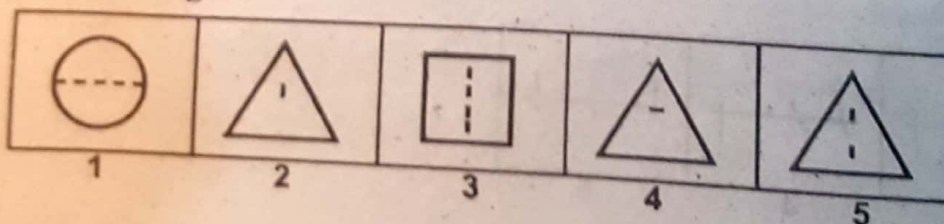
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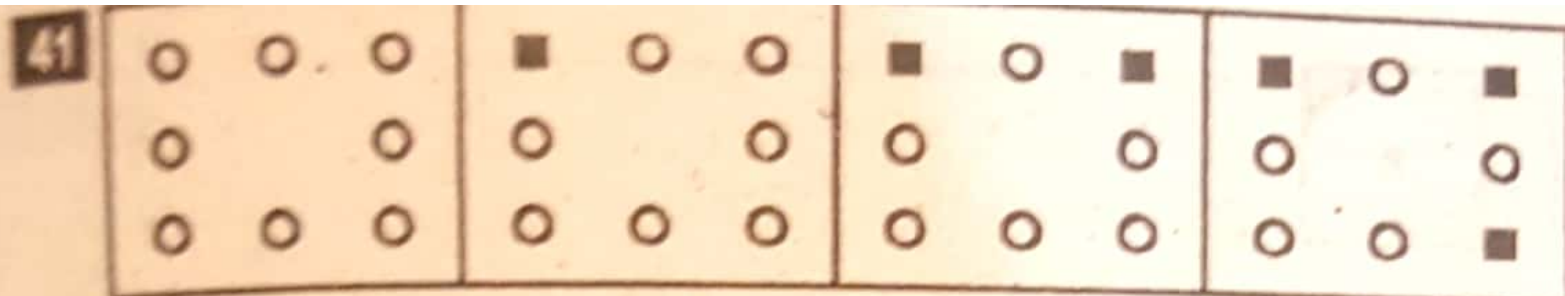


Problem Figure

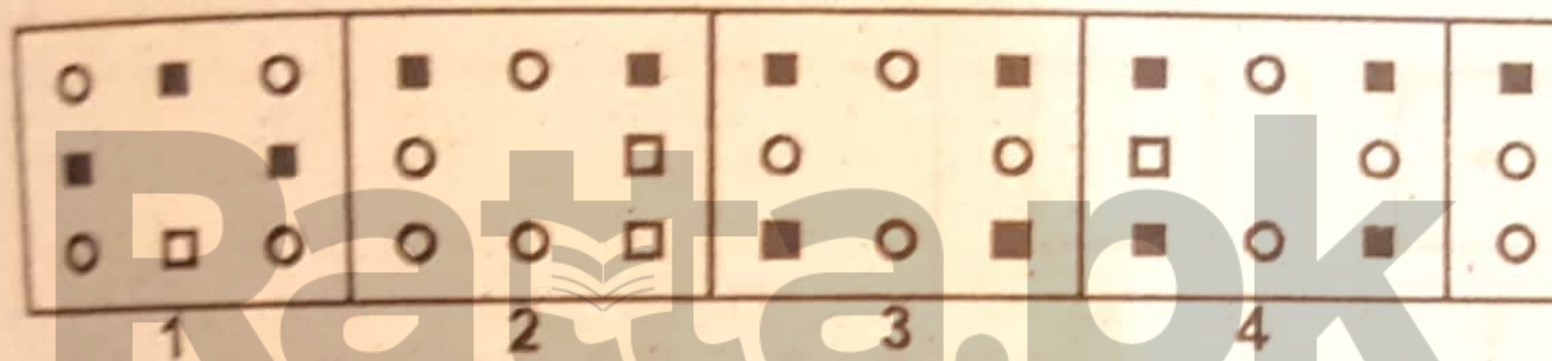


Answer Figure

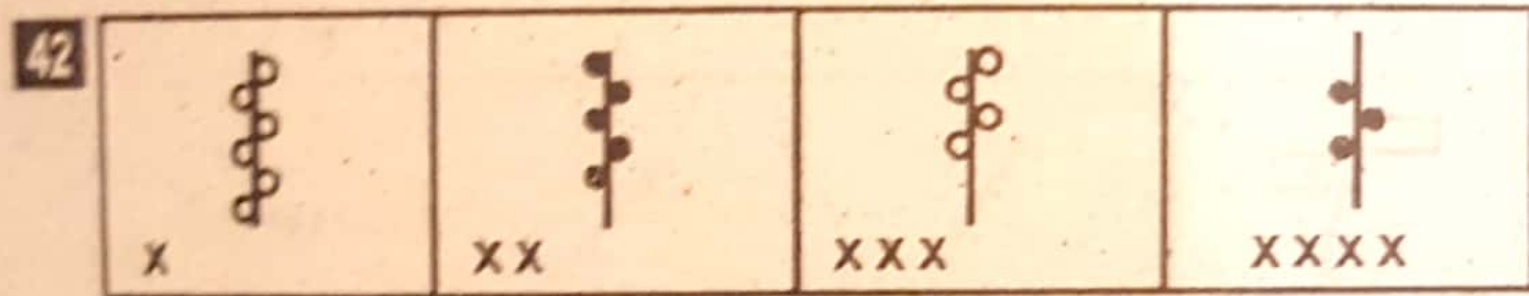




Answer Figure



Problem Figure

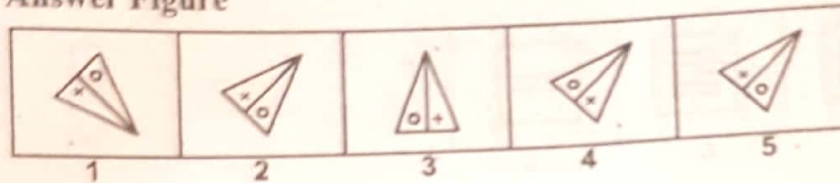


Answer Figure

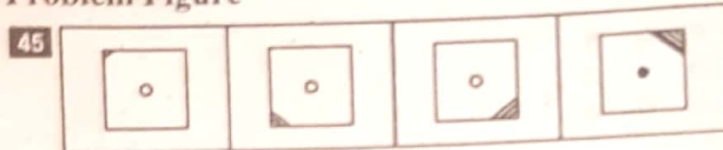
Problem Figure



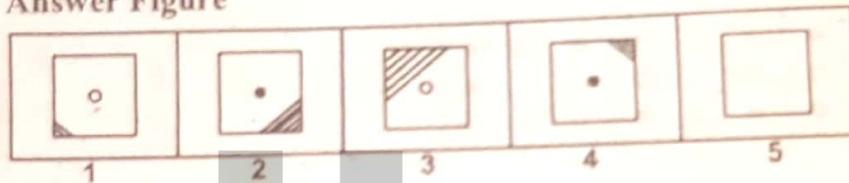
Answer Figure



Problem Figure



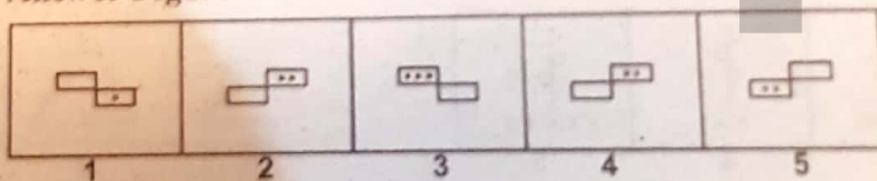
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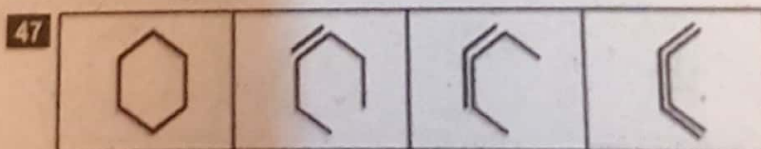
Problem Figure



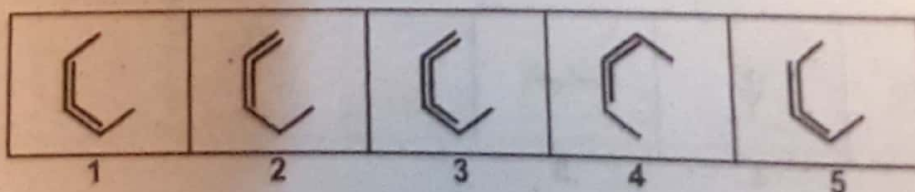
Answer Figure



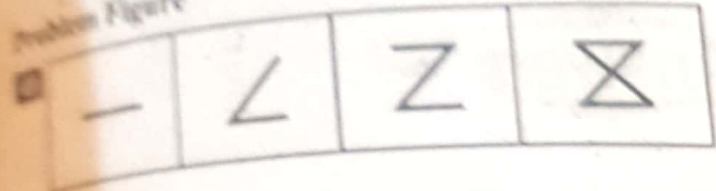
Problem Figure



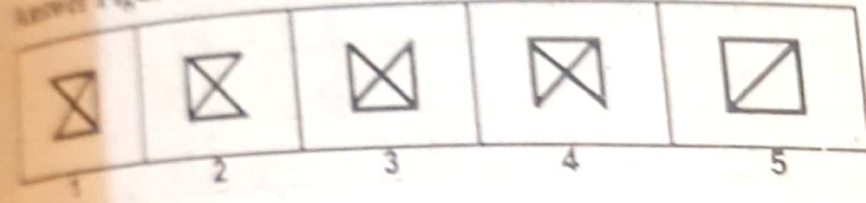
Answer Figure



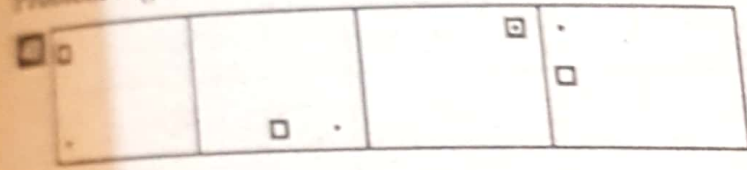
Problem Figure



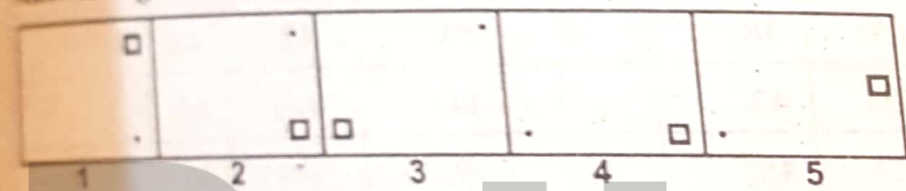
Answer Figure



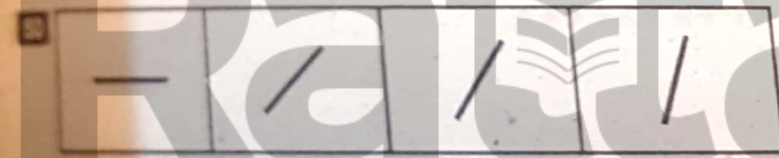
Problem Figure



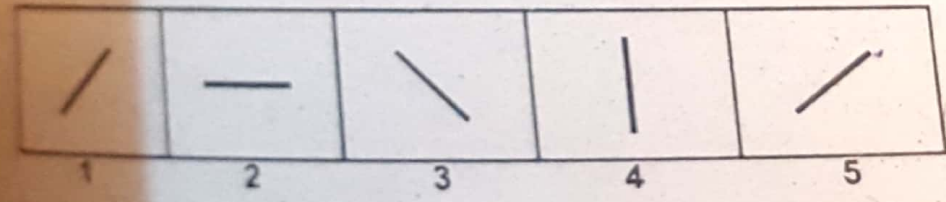
Answer Figure



Problem Figure



Answer Figure



Answers

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1. | (5) | 2. | (5) | 3. | (3) | 4. | (2) | 5. | (5) |
| 6. | (2) | 7. | (4) | 8. | (2) | 9. | (1) | 10. | (1) |
| 11. | (1) | 12. | (4) | 13. | (4) | 14. | (2) | 15. | (3) |
| 16. | (4) | 17. | (2) | 18. | (4) | 19. | (3) | 20. | (2) |
| 21. | (3) | 22. | (1) | 23. | (1) | 24. | (2) | 25. | (3) |
| 26. | (4) | 27. | (5) | 28. | (2) | 29. | (5) | 30. | (2) |
| 31. | (2) | 32. | (5) | 33. | (4) | 34. | (3) | 35. | (4) |
| 36. | (1) | 37. | (3) | 38. | (4) | 39. | (2) | 40. | (4) |
| 41. | (3) | 42. | (2) | 43. | (5) | 44. | (4) | 45. | (3) |
| 46. | (4) | 47. | (1) | 48. | (2) | 49. | (4) | 50. | (4) |
