

REPEATER/EARLY PREP SESSION FOR NMDCAT 2022

Date	Day	Biology	Physics	Chemistry	English		Logical Reasoning
20/12/2021	Monday	Test 1 Acellular Life	Test 1 Motion and Force				
21/12/2021	Tuesday			Test 1 Unit 1 Introduction to Fundamental Concepts of Chemistry	Test 1 Nouns	Chap 1 – 4 Book I	
22/12/2021	Wednesday	Test 2 Bioenergetics (A)	Test 2 Motion and Force				Test 1
23/12/2021	Thursday			Test 2 Unit 2 Atomic Structure	Test 2 Pronouns I	Chap 5 – 8 Book I	
24/12/2021	Friday	Test 3 Bioenergetics (B)	Test 3 Work, Energy & Power				
25/12/2021	Saturday			Test 3 Unit 3 Gases	Test 3 Pronouns II	Chap 9 – 12 Book I	
26/12/2021	Sunday	Test 4 Biological Molecules	Test 4 Circular Motion				Test 2
27/12/2021	Monday			Test 4 Unit 4 Liquids	Test 4 Articles	Chap 13 – 15 Book I	
28/12/2021	Tuesday	Test 5 Cell Structure and Functions (A)	Test 5 Simple Harmonic Motion (Oscillation)				
29/12/2021	Wednesday			Test 5 Unit 5 Solids	Test 5 Collective Grammar (Nouns- Pronouns – Articles)	Book I (Complete)	
30/12/2021	Thursday	Test 6 Cell Structure and Functions (B)	Test 6 Waves				
31/12/2021	Friday			Test 6 Unit 10 Chemical Bonding	Test 7 Verbs I (Tenses)	Play 1 Book III	
01/01/2022	Saturday	Test 7 Diversity Among Animals (A)	Test 7 Waves				Test 3
02/01/2022	Sunday			Test 7 Unit 6 Chemical Equilibrium	Test 8 Verbs II (Subject Verb agreement)	Play 2 - 3 Book III	

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03/01/2022	Monday	Test 8 Diversity Among Animals (B)	Test 8 Thermodynamics				
04/01/2022	Tuesday			Test 8 Unit 7 Reaction Kinetics	Test 9 Verbs III (Different Problems)	Poem 1 - 10 Book III	
05/01/2022	Wednesday	Test 9 Enzymes	Test 9 Thermodynamics				
06/01/2022	Thursday			Test 9 Unit 8 Thermochemistry and Energetics of Chemical Reactions	Test 10 Adjectives I	Poem 11 - 20 Book III	
07/01/2022	Friday	Test 10 Prokaryotes	Test 10 Electrostatics				Test 4
08/01/2022	Saturday			Test 10 Unit 9 Electrochemistry	Test 11 Adjectives II	Book III (Complete)	
09/01/2022	Sunday	Test 11 Life Processes in Animals and Plants (A)	Test 11 Electrostatics				
10/01/2022	Monday			Test 11 Unit 11 s and p Block Elements	Test 12 Collective Grammar (Verbs - Adjectives)	Chap 1 - 4 Book II	
11/01/2022	Tuesday	Test 12 Life Processes in Animals and Plants (B)	Test 12 Current Electricity				
12/01/2022	Wednesday			Test 12 Unit 12 Transition Elements	Test 12 Adverbs	Chap 5 - 8 Book II	
13/01/2022	Thursday	Test 13 Life Processes in Animals and Plants (C)	Test 13 Current Electricity				
14/01/2022	Friday			Test 13 Unit 13 Fundamental Principles of Organic Chemistry	Test 13 Conjunctions	Chap 9 - 12 Book II	Test 5
15/01/2022	Saturday	Test 14 Life Processes in Animals and Plants (D)	Test 14 Electromagnetism				

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Date	Day	Biology	Physics	Chemistry	English		Logical Reasoning
16/01/2022	Sunday			Test 14 Unit 14 Chemistry of Hydrocarbons (Aliphatic)	Test 14 Miscellaneous I	Chap 13 – 15 Book II	
17/01/2022	Monday	Test 15 Coordination and Control (A)	Test 15 Electromagnetic Induction				
18/01/2022	Tuesday			Test 15 Unit 14 Chemistry of Hydrocarbons (Aromatic)	Test 15 Miscellaneous II	Book II (Complete)	
19/01/2022	Wednesday	Test 16 Coordination and Control (B)	Test 16 Electromagnetic Induction				
20/01/2022	Thursday			Test 16 Unit 15 Alkyl Halides	Test 16 Punctuation	Chap 1 – 5 Book IV	
21/01/2022	Friday	Test 17 Evolution	Test 17 Electronics, Modern Physics, Atomic Spectra				Test 6
22/01/2022	Saturday			Test 17 Unit 16 Alcohol and Phenols	Test 17 Collective Grammar (Adverbs Conjunctions – Punctuation – Miscellaneous	Chap 6 – 10 Book IV	
23/01/2022	Sunday	Test 18 Reproduction	Test 18 Electronics, Modern Physics, Atomic Spectra				
24/01/2022	Monday			Test 18 Unit 17 Aldehydes and Ketones	Test 18 Preposition I	Chap 11 – 14 Book IV	
25/01/2022	Tuesday	Test 19 Support and Movement	Test 19 Radio Activity				
26/01/2022	Wednesday			Test 19 Unit 18 Carboxylic Acids	Test 19 Preposition II	Chap 15 – 18 Book IV	
27/01/2022	Thursday	Test 20 Variation and Genetics	Test 20 Radio Activity				
28/01/2022	Friday			Test 20 Unit 19 Macromolecules	Test 20 Preposition III	Book IV (Complete)	

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Biology Syllabus Division

TEST #	UNIT NUMBER AND TITLE	SYLLABUS
2	Unit # 2: Bioenergetics (A)	Photosynthesis, Light dependent and light independent phases/reactions, Cyclic and non- cyclic phosphorylation, Role of light, water, CO ₂ /Factors effecting photosynthesis
3	Unit # 2: Bioenergetics (B)	Anaerobic respiration, Glycolysis/glycolytic pathway/aerobic respiration Oxidative phosphorylation/ Electron transport chain, Production of ATP
5	Unit # 4: Cell Structure and Functions (A)	Compare the structure of typical animal and plant cell Compare the structure of prokaryotic cells with eukaryotic cells Fluid mosaic model of cell membrane, , Cell wall, Cytoplasm and cell organelles, Vacuoles
6	Unit # 4: Cell Structure and Functions (B)	Endoplasmic reticulum, Golgi apparatus, Lysosomes, Mitochondria, Plastids/Chloroplasts, Nucleus
7	Unit # 6: Diversity Among Animals (A)	Introduction, Radial & Bilateral symmetry, Diploblastic & Triploblastic organization, Acoelomates, Pseudocoelomates, Coelomates, Porifera, Cnidaria, Platyhelminthes, Nematoda, Annelida
8	Unit # 6: Diversity Among Animals (B)	Arthropoda, Mollusca, Echinodermata, Hemichordata, Chordata (Pisces, Amphibia, Reptilia, Aves, Mammalia)
11	Unit # 9: Life Processes in Animals and Plants (A)	Carnivorous plants/parasitic nutrition (pitcher plant, Venus fly trap, sundew), Water and mineral uptake by roots, Xylem and phloem, Osmotic pressure/potential
12	Unit # 9: Life Processes in Animals and Plants (B)	Digestive system (functions of main parts of the digestive system including associated structures & glands)
13	Unit # 9: Life Processes in Animals and Plants (C)	Respiratory system (functions of main part of respiratory system, gas exchange in human lungs, Role of surfactant in gas exchange) Cardiovascular system (human heart structure, blood vessels), Phases of a Cardiac Cycle
14	Unit # 9: Life Processes in Animals and Plants (D)	Lymphatic system, Immunity
15	Unit # 5: Coordination and Control (A)	Nervous system (Steps involved in nervous coordination) Recognize receptors as transducers sensitive to various stimuli Neurons (Structure & Types) Reflexes and reflex arc, Nerve impulse, Transmission of nerve impulse across synapse Electrical synapses, Chemical synapses, Levels of the spinal cord and its main functions Parts of the brain with their main functions,
16	Unit # 5: Coordination and Control (B)	Hormones (Endocrine glands), Feedback mechanism, Positive feedback mechanism, Negative feedback mechanism

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How to access this session?

- This session will be shared on all SAEED MDCAT WhatsApp Group(1-165).Join Our Official WhatsApp Group(For Group Link text at 03418729745).
- This Session will also be shared on our official Website: www.saeedmdcat.com

Important Point on Physics & Logical Reasoning Syllabus Division

- Some important unit in **Physics** like Motion & force and Wave have 2 Full chapter test. There is no division in these chapter.
- Logical Reasoning Test Syllabus will be announced on daily basis.