

Contents

PHYSICS

Class XI : Part I

1. Motion in a Plane	3-7	12. Thermodynamics	88-89
2. Laws of Motion	8-16	13. Oscillations	90-107
3. Gravitation	17-27	14. Superposition of Waves	108-123
4. Thermal Properties of Matter	28-30	15. Wave Optics	124-135
5. Sound	31-36	16. Electrostatics II	136-148
6. Optics	37-43	17. Current Electricity	149-162
7. Electrostatics I	44-45	18. Magnetic Field Due to Electric Current	163-173
8. Semiconductors	46-48	19. Magnetic Materials	174-179

Class XII : Part II

9. Rotational Dynamics	49-68	20. Electromagnetic Induction	180-185
10. Mechanical Properties of Fluids	69-81	21. AC Circuits	186-191
11. Kinetic Theory of Gases and Radiation	82-87	22. Dual Nature of Radiation and Matter	192-205
		23. Structure of Atoms and Nuclei	206-214
		24. Semiconductor Devices	215-220

CHEMISTRY

Class XI : Part I

1. Some Basic Concepts of Chemistry	223-225	7. Adsorption and Colloids (<i>Surface chemistry</i>)	244-246
2. Structure of Atoms	226-227	8. Basic Principles of Organic Chemistry	247-251
3. Chemical Bonding	228-233	9. Hydrocarbons	252-256
4. Redox Reactions	234-236		
5. Elements of Group 1 and 2	237-239	Class XII : Part II	
6. States of Matter : Gaseous and Liquid States	240-243	10. Solid State	257-264
		11. Solutions	265-272
		12. Ionic Equilibria	273-274

13. Chemical Thermodynamics	275-284	20. Alcohols, Phenols and Ethers	330-339
14. Electrochemistry	285-295	21. Aldehydes, Ketones and Carboxylic Acid	340-352
15. Chemical Kinetics	296-304	22. Amines	353-361
16. Elements of Group 16, 17 and 18	305-308	23. Biomolecules	362-368
17. Transition and Inner Transition Elements	309-312	24. Introduction to Polymer Chemistry	369-374
18. Coordination Compounds	313-320	25. Green Chemistry and Nanochemistry	375-376
19. Halogen Derivatives	321-329		

BIOLOGY

Class XI : Part I

1. Biomolecules	379-383
2. Respiration and Energy Transfer	384-395
3. Human Nutrition	396-400
4. Excretion and Osmoregulation	401-407

Class XII : Part II

5. Reproduction in Lower and Higher Plants	408-422
6. Reproduction in Lower and Higher Animals	423-432
7. Inheritance and Variation	433-445
8. Molecular Basis of Inheritance	446-452
9. Origin and Evolution of Life	453-454

10. Plant-Water Relations and Plant Growth	455-457
11. Respiration and Circulation	458-469
12. Control and Coordination	470-481
13. Human Health and Diseases	482-489
14. Enhancement in Food Production	490-496
15. Biotechnology	497-506
16. Organisms and Populations	507-513
17. Ecosystem and Energy Flow	514-515
18. Biodiversity, Conservation and Environmental Issues	516-520

MHT CET Examination Questions 2023-24 1-64