

PHYSICAL SCIENCE
IMPORTANT QUESTION FOR C and DCATEGORY STUDENTS

SI.No	Chapter	1 Mark	2 Marks	4 Marks
1	HEAT	<ul style="list-style-type: none"> • Definition of Heat, Temperature • On what factors evaporation depends ? • Problems on heat conversation • Convert 30⁰C into Kelvin scale 	Q.No.4, 14,15 Difference between Heat & Specific heat	Q.No.7, 12 Given specific heat table & asking question
2	ACIDS, BASES AND SALTS	<ul style="list-style-type: none"> • Use of plaster of paris • Uses of Bleaching powder • Range of p^H • Define P^H 	Q.No.2,4,5,8,14 Try these Q.No.2	Q.No.10,9,11 Page.No.21,33 Tables Diagrams page no.22, 24
3	REFRACTION OF LIGHT AT PLANE SURFACES	<ul style="list-style-type: none"> • Defination refractive index • Snell's law equation • Define critical angle, total internal reflection 	Q.No.3, 13 Try these Q.No.1,7,8	Q.No.5,6,7,8,12 Page.No.47 table & Asking Question
4	REFRACTION OF LIGHT AT CURVED SURFACES	<ul style="list-style-type: none"> • Write lens formula • Write lens makers formula • Q.No.7 	Q.No.1,3,4,6 Try these Q.No.11	Q.No.5,13 Try these Q.No.2,5 Ray diagrams for convex & Concave lens
5	HUMAN EYE AND COLOURFUL WORD	<ul style="list-style-type: none"> • Value of least distance of distinct vision • Value of vision angle • Define power of lens & Problems • Define dispersion of light • Define scattering of light 	Q.No.10,11,12 Try these Q.No.6	Q.No.1,2,3,4,7
6	STRUCTURE OF ATOM	<ul style="list-style-type: none"> • Write Planck's equation • Draw the shapes of s,p,d orbitals • Electric configuration 	Q.No.9,12,15	Q.No.4,8 Bohr's mode, Aufbau, Hund's Pauli's rules & Explanation
7	CLASSIFICATION OF ELEMENTS	<ul style="list-style-type: none"> • Give examples of Doberiner triads • Mendeleev's periodic law • On what factors affecting Ionisation energy • Given element number and identify the period and group 	Q.No.16,17 Try these Q.No.6,9	Q.No.17,18
8	CHEMICAL BONDING	<ul style="list-style-type: none"> • What is the shape of H₂O & Bond angle • What is the shape of NH₃ & Bond angle • Deference between ionic & covalent compounds • VSEPR expand • Coordination number 	Q.No.11,12,2,8	Q.No.17,18
9	ELECTRIC CURRENT	<ul style="list-style-type: none"> • Define electric current, emf, ohms law 	Q.No.4,7,9,12,16, 17	Q.No.6,10,11,19 Page.No.194 table & asking

		<ul style="list-style-type: none"> • On what factors resistance depends? • On what factors resistivity depends? • Problems on Ohm's law 	Try these Q.No.6,7	questions
10	ELECTRO MAGNETISM	<ul style="list-style-type: none"> • Define magnetism flux density? unit • What is solenoid • Define faraday's law • Define lenz's law • Given figures identify the directions of current or direction of field 	Q.No.1,5,18,13	Q.No.6,9,10,11,12,14,15,16
11	PRINCIPLES OF METALLURGY	<ul style="list-style-type: none"> • Define gauge, slang • Define smelting, Roasting, Calcination • Methods of extraction of relative methods • Write the ores of metal 	Q.No.13,14,20,5, 12	Q.No.7,10,15,17,18
12	CARBON AND ITS COMPOUNDS	<ul style="list-style-type: none"> • Name the simplest hydrocarbon • Name the simplest Ketone and formula • Addition reactions of Alkenes • Esterification reaction 	Q.No.6,2,9,11,8	Q.No.15,16,21 Given structure of carbon compound and asking questions

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