

**GOVERNMENT OF ANDHRA PRADESH  
MUNICIPAL ADMINISTRATION DEPARTMENT**

**PHYSICAL SCIENCE**

**IMPORTANT QUESTION FOR C and D CATEGORY STUDENTS**

Sl.No	Chapter	1 Mark	2 Marks	4 Marks
1	HEAT	<ul style="list-style-type: none"> <li>• Definition of Heat, Temperature</li> <li>• On what factors evaporation depends ?</li> <li>• Problems on heat conversation</li> <li>• Convert 30°C into Kelvin scale</li> </ul>	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"> <li>• Use of plaster of paris</li> <li>• Uses of Bleaching powder</li> <li>• Range of p<sup>H</sup></li> <li>• Define P<sup>H</sup></li> </ul>	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"> <li>• Defination refractive index</li> <li>• Snell's law equation</li> <li>• Define critical angle, total internal reflection</li> </ul>	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"> <li>• Write lens formula</li> <li>• Write lens makers formula</li> <li>• Q.No.7</li> </ul>	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"> <li>• Value of least distance of distinct vision</li> <li>• Value of vision angle</li> <li>• Define power of lens &amp; Problems</li> <li>• Define dispersion of light</li> <li>• Define scattering of light</li> </ul>	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"> <li>• Write planck's equation</li> <li>• Draw the shapes of s,p,d orbitals</li> <li>• Electric configuration</li> </ul>	Q.No.9,12,15	Q.No.4,8 Bohr's mode, Aufbau, Hund's Pauli's rules & Explanation
7	CLASSIFICATIO N OF ELEMENTS	<ul style="list-style-type: none"> <li>• Give examples of Doberiner triads</li> <li>• Mendeleev's periodic law</li> <li>• On what factors affecting Ionisation energy</li> <li>• Given element number and identify the period and group</li> </ul>	Q.No.16,17 Try these Q.No.6,9	Q.No.17,18
8	CHEMICAL BONDING	<ul style="list-style-type: none"> <li>• What is the shape of H<sub>2</sub>O &amp; Bond angle</li> <li>• What is the shape of NH<sub>3</sub> &amp; Bond angle</li> <li>• Deference between ionic &amp;</li> </ul>	Q.No.11,12,2,8	Q.No.17,18

**Class -X**

		covalent compounds <ul style="list-style-type: none"><li>• VSEPR expand</li><li>• Coordination number</li></ul>		
9	ELECTRIC CURRENT	<ul style="list-style-type: none"><li>• Define electric current, emf, ohms law</li><li>• On what factors resistance depends?</li><li>• On what factors resistivity depends?</li><li>• Problems on Ohm's law</li></ul>	Q.No.4,7,9,12,16, 17 Try these Q.No.6,7	Q.No.6,10,11,19 Page.No.194 table & asking questions
10	ELECTRO MAGNETISM	<ul style="list-style-type: none"><li>• Define magnetism flux density? unit</li><li>• What is solenoid</li><li>• Define faraday's law</li><li>• Define lenz's law</li><li>• Given figures identify the directions of current or direction of field</li></ul>	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"><li>• Define gauge, slang</li><li>• Define smelting, Roasting, Calcination</li><li>• Methods of extraction of relative methods</li><li>• Write the ores of metal</li></ul>	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"><li>• Name the simplest hydrocarbon</li><li>• Name the simplest Ketone and formula</li><li>• Addition reactions of Alkenes</li><li>• Esterification reaction</li></ul>	Q.No.6,2,9,11,8	Q.No.15,16,21 Given structure of carbon compound and asking questions

Prepared By :  
M.SRINIVASA RAO SA (PS)  
A.F.C.SCHOOL, GUDIVADA  
PH:9848143855  
Mail ID: srinivasarao.midde@gmail.com