BLUE PRINT - III
XII - PHYSICS

Topic	VSA (1 mark)	SA I (2 marks)	SA II (3 marks)	LA (5 marks)	Total
Electrostatics	1(1)	2(1)	-	5(1)	8(3)
Current Electricity	-	4(2)	3(1)	-	7(3)
Magnetic effect & Magnetism	1(1)	2(1)	-	5(1)	8(3)
Electromagnetic induction & Alternating currents	1(1)	4(2)	3(1)	-	8(4)
Electromagnetic Waves	1(1)	2(1)	-	-	3(2)
Optics	1(1)	2(1)	6(2)	5(1)	14(5)
Dual Nature of Matter	1(1)	-	3(1)	-	4(2)
Atoms & Nuclei	-	-	6 (2)	-	6(2)
Electronic Devices	2(2)	2(1)	3(1)	-	7(4)
Communication Systems	-	2(1)	3(1)	-	5(2)
Total	**8(8)**	**20(10)**	**27(9)**	**15(3)**	**70(30)**

(39)

SAMPLE PAPER III
XII - PHYSICS

Time : Three Hours   **Max. Marks : 70**

General Instructions :

(a)   All questions are compulsory.

(b)   There are 30 questions in total. Questions 1 to 8 carry one mark each, questions 9 to 18 carry two marks each, questions 19 to 27 carry three marks each and questions 28 to 30 carry five marks each.

(c)   There is no over all choice. However, an internal choice has been provided in one question of two marks, one question of three marks and all three questions of five marks each. You have to attempt only one of the given choices in such questions.

(d)   Use of calculators is not permitted.

(e)   You may use the following physical constants wherever necessary :

$$c \quad = \quad 3 \times 10^8 \, ms^{-1}$$
$$h \quad = \quad 6.6 \times 10^{-34} \, Js$$
$$e \quad = \quad 1.6 \times 10^{-19} \, C$$
$$\mu_0 \quad = \quad 4\pi \times 10^{-7} \, Tm \, A^{-1}$$

Boltzmann constant $k = 1.38 \times 10^{23} \, JK^{-1}$

Avogadro's number $N_A = 6.023 \times 10^{23}$/mole

Mass of neutron $\quad m_n = 1.6 \times 10^{-27} \, kg$

Mass of electron $\quad m_e = 9 \times 10^{31} \, kg$

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