

2020-21
X- PHYSICAL SCIENCE – (General Science - I)
MODEL PAPER-3, E/M

CLASS-X PART: A & B MAX, MARKS: 40 TIME: 1.35 Hrs

PART – A (Marks:30)

SECTIONS: I (3x2=6 Marks)

- 1) Which method can you used remove the impurities from its sulphide ores?
 - 2) Why did the house-hold thing are burning due to overload explain it?
 - 3) How can we get the virtual images in concave mirror, draw the ray diagram?
 - 4) Why did the scientists fixed F-block elements in out of periodic table?
 - 5) Explain the formation of images when we used concave and convex mirror in the rearview mirrors?
 - 6) Why do we use flux and where can we use flux, give one example?
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SECTIONS II (2x4=8 Marks)

- 7) Why did we use Quantum Numbers Explain briefly?
 - 8) Why do we get eye defect. Write about types of eye defects?
 - 9) What type of Len we are using in microscope Explain with neat diagram?
 - 10) There is a fish inside the water. If that fish is exactly vertically bellow the bird then the bird will appear to the fish to be?
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SECTIONS III (2x8=16 Marks)

- 11) Prove the ratio of V/I is a constant for a conductor?
- 12) Properties of elements and their trends in groups and in periods?
- 13) How can you prove the whether given copper sulphate dry or wet substance?
- 14) Write the Balancing chemical equation steps when propane react with Oxygen?

PART - B (1x10=10 Marks)

BIT PAPER

- 1) Which Pyrochemical process used when ore is heating abseny of air or Oxygen []
(a)Roasting (b) Calcinations (c) blast (d) Furnace
- 2) To prevent the metal Corrosion __substance is used []
(a)Biopsil (b) Hydrogen (c) Phinoil (d) Ethanol
- 3) 1 KWH = _____ Jouls []
a) 3.6×10^7j (b) 3.6×10^5j (c) 3.6×10^6j (d) 3.6×10^8j
- 4) What is the values of resistivity of insulators _____ []
(a) $10^{14}-10^{16}\Omega\text{-m}$ (b) $10^{16}-10^{18}\Omega\text{-m}$
(c) $10^{12}-10^{18}\Omega\text{-m}$ (d) $10^{18}-10^{20}\Omega\text{-m}$
- 5) What are the units for Atomic diameter []
(a)m.m (b) c.m (c) K.m (d) P.m
- 6) Metal products are []
(a)Chalcogens (b) Alkali metal (c) Helogen (d) Noble gases
- 7) Alkali metals we called as []
(a)Base (b) metals (c) Acids (d) neutral
- 8) How many election are there in first orbital []
(a) 8 (b) 18 (c) 2 (d) 0
- 9) Which element numbers is called as mandalivium []
(a)100 (b) 101 (c) 118 (d) 112
- 10) Value of flank constant _____ []
(a) $6.626 \times 10^{-34}js$ (b) $6.636 \times 10^{-34}js$
(c) $6.262 \times 10^{-34}js$ (d) $6.616 \times 10^{-34}js$