

2020-21
X- PHYSICAL SCIENCE – (General Science - I)
MODEL PAPER-4, E/M

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

PART – A (Marks:30)

SECTIONS: I(3x2=6 Marks)

- 1) Write the Situations where the Iron nail is getting rusting?
- 2) How can you separate the one of Magnetic Substance in impurity?
- 3) How can you prepare the plaster of Paris?
- 4) Write the names of some natural and chemical Indicators?
- 5) Prove the curved surface formula is also used for plane surface?
- 6) One object is at infinity in front of eye the image has formed at 2.5 cm. what is the eye lens maximum focal length?

SECTIONS II (2x4=8 Marks)

- 7) You may appreciate the Mendeleeff's periodic table?
- 8) Draw the ray diagrams for the light rays when they are incident on a lens?
- 9) Write about more informative information about chemical equation?
- 10) How can you identify the which one is strong acid and weak acid by electrolysis?

SECTIONS III (2x8=16 Marks)

- 11) What are the more importance of PH in our daily situation?
- 12) Draw the ray diagrams for images formation for objects are keeping in different places in front of convex len?
- 13) Prove the equivalent resistance of a series connections?
- 14) Briefly Explain about Kirchchoff's laws?

PART - B (1x10=10 Marks)

BIT PAPER

- 1) Highest wave length colour in VIBGYOR []
(a) Red (b) Indigo (c) Green (d) Yellow
- 2) Triads theory has found by the _____ []
(a) Dobereiner (b) Newlands (c) Mendeleeff (d) None of above
- 3) Long form of the periodic table has found by the _____ []
(a) Mandleeff (b) H.J. Mosle (c) Newlands (d) None of above
- 4) In the s, p, d, f orbital's how many total electrons are there []
(a) 10 (b) 6 (c) 14 (d) 32
- 5) Most electronegative element is _____ []
(a) F (b) Cl (c) Br (d) I
- 6) Electron Charge value is []
(a) $1.602 \times 10^{-19}c$ (b) $1.720 \times 10^{-19}c$
(c) $1.802 \times 10^{-19}c$ (d) None of above
- 7) Alloy of (copper and tin) is []
(a) Silver (b) Broze (c) Gold (d) Copper
- 8) $2Al + Fe_2O_3 \xrightarrow{\hspace{1cm}} Al_2O_3 + 2Fe + \text{Heat}$ is _ reaction []
(a) Decomposition (b) Thermite \longrightarrow
(c) Double displacement reaction (d) None of above
- 9) Which mirror used to cook rice in presence of the sunlight []
(a) Double concave len (b) plane mirror
(c) conave mirror (d) Concave mirror
- 10) What is the nature of NaCl _____ []
(a) Acidic (b) Basic (c) Natural (d) None of above