

**2020-21**  
**X- PHYSICAL SCIENCE – (General Science - I )**  
**MODEL PAPER-1, E/M**

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

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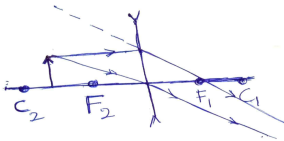
PART – A (Marks:30)

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SECTIONS: I(3x2=6 Marks)

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- 1) What purpose we are using Froth flotation explain about froth flotation?
- 2) In your house how can you prevent the house-hold things by damage due to overloading by Electricity?
- 3) Explain about atomic radii between group and period?
- 4) What are the conditions to arrange the all elements in modern periodic table?
- 5) eye-lens is also called “accommodation of lens” explain with minimum and maximum focal length of eye-lens
- 6) correct and complete the given ray diagram?



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SECTIONS II (2x4=8 Marks)

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- 7) Write about Extraction of metals in the middle of the activity series?
- 8) Write the Physical and chemical properties of Aids?
- 9) What are the uses of Bleaching powder and how do you prepare the Bleaching powder?
- 10) Draw the ray diagram and prove it for one opaque dot at glass sphere's centre when observed from outside?

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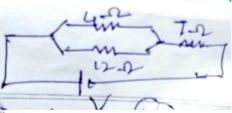
SECTIONS III (2x8=16 Marks)

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- 11) Explain about health persons eye functioning with neat diagram?
- 12) Explain the three principles, for more than two electrons to write electronic configuration?
- 13) Prove the Equivalent resistance of a parallel & Series connection with neat diagram?
- 14) Write the three stages for the extraction of metals from the ores?

PART - B (1x10=10 Marks)

**BIT PAPER**

- 1)  $\text{Fe}_2\text{O}_3$  React with Al we got iron molten this reaction is called  
(a) Skelton equation (b) thermite reaction [ ]  
(c) a & b (d) None of above
- 2) Minimum focal length of eye \_\_\_\_ cm [ ]  
(a) 2.27 cm (b) 2.7 cm (c) 2.5 cm (d) 2.4 cm
- 3)  Find Resultant Resistance \_\_\_\_\_ [ ]  
(a) 7  $\Omega$  (b) 4  $\Omega$  (c) 16  $\Omega$  (d) 10  $\Omega$
- 4) S.I. units for resistivity \_\_\_\_\_ [ ]  
(a) Meter (b) ampere (c) Columbs (d)  $\Omega$  -M
- 5) Non ohmic material [ ]  
(a) cu (b) Ag (c) LED (d) Iron
- 6) Electro negative shows the [ ]  
(a) Metals (b) Metaliads (c) Non metals (d) None of above
- 7) 1 P.M. (Picometers) [ ]  
(a)  $10^{-12}\text{m}$  (b)  $10^{-11}\text{m}$  (c)  $10^{-10}\text{m}$  (d)  $10^{-13}\text{m}$
- 8) How many electrons are orientation in F- sub-shell [ ]  
(a) 10 (b) 6 (c) 2 (d) 14
- 9) Speed of the light in vaccum (c) [ ]  
(a)  $3 \times 10^8\text{m/s}$  (b)  $3 \times 10^{18}\text{m/s}$  (c)  $3 \times 10^{20}\text{m/s}$  (d) None of above
- 10) Focal lenth (f) = -D it is represent \_\_\_\_\_ [ ]  
(a) Concave lens (b) Convex lens  
(c) Plano Convex (d) Plano Concave