

CLASS: 10
NAME OF THE STUDENT: _____

Max.Marks:20

ROLL NO: _____

I) Answer the following questions

4X1=4M

- 1.State Lenz's law
- 2.Name the acid present in vinegar.
- 3.What is meant by Homologous series?
- 4.Which method is suitable to enrich sulphide ores?

II) Answer the following questions.

2x2=4M

- 5.Write any two differences between Roasting and Calcination.
6. Give the names of functional groups i) $-\text{CHO}$ ii) $-\text{C}=\text{O}$

III) Answer the following questions.

2x4=8M

7. Explain the working of AC electric generator with a neat diagram

(OR)

How can you verify that a current carrying wire produces a magnetic field with the help of an experiment ?

8. Suggest a test to find the hardness of water and explain the procedure

(OR)

Write the substitution reactions of Alkanes with suitable example?

IV) Choose the correct answer from the given choices

8x1/2=4M

9. 'Carbon has the ability to form longest chains with its own atoms'. What do we call this property
10. **Statement I** : In Ethylene carbon is SP^2 hybridized
Statement II : In acetylene carbon is SP^3 hybridized
Which statement is correct.
- 11.The polar end of micelle is _____ in nature.
A) hydrophilic B) Hydrophobic C) isochoric D) isothermal
12. What is the formula of magnetic force on a charge "q" moves with a velocity "V" perpendicular to the magnetic field "B"
- 13.Write the S.I unit of magnetic flux density
- 14.Which of the following furnaces is useful in carrying smelting
a) Reverbatary b) open hearth c) Retart d) Blast
15. Name the process in which a pure metal is obtained from impure metal?
16. Which of these act as reducing agent in thermite process
a) Al b) Fe c) Au d) Si