10TH CLASS - PHYSICAL SCIENCE

6 MARKS & 4 MARKS IMPORTANT QUESTIONS (EXPECTING QUESTIONS)

* 6 MARKS QUESTIONS:

1. How to find the focal length of Concave mirror?
2. Write the apparatus and procedure about the reaction of acids with metals.
3. Write the activity about reaction of acids with Carbonates and Metal hydrogen Carbonates?
4. What is meant by "water of crystallisation". Describe an activity to Show the water of crystallization.
5. Compounds such as Alcohols and glucose contain hydrogen but are not categorized as acids. Describe an activity to prove it?
6. Draw the diagrams (ray diagrams) for the following positions and explain the nature and position of image:
   (i) Object is placed at C_2 (ii) Object is placed between F_2 and optic centre
7. What is mean by Myopia? How do you correct the eye defect Myopia?
8. What is mean by Hypermetropia? How do you correct the eye defect Hypermetropia?
9. Explain the postulates of Bohr Atomic model? what changes made by Sommerfield to Bohr atomic Model?
10. Define the modern periodic Law. Discuss the salient features of the long form of the periodic table.
11. Explain Thermite process and mention its applications in our daily life?
12. Suggest an experiment to prove that the presence of air and water are essential for corrosion. Explain the procedure.
13. State ohm's law. Write an experiment to verify and explain the procedure
14. Explain Faraday's law of induction with the help of activity.

* 4 MARKS QUESTIONS:

1. Why do we prefer a convex mirror as a rear-view mirror in the vehicles?
2. Distinguish between virtual and real images?
3. Write the uses of plaster of paris?
4. Write electronic configuration of any two given elements.
5. How we are using the nl^x method in writing electronic configuration?
6. Why does tooth decay start when the pH of mouth is lower than 5.5?
7. Write any two uses of Washing Soda?
8. Write any two uses of Baking Soda? 21. Write the uses of Bleaching powder?
9. How orbital is different from Bohr's orbit?
10. The electronic configuration of atom is $1s^2 2s^2 2p^6 3s^2 3p^5$.
11. (i) Write the no. of valency electrons. (ii) what is number of valency.
12. Why do we uses fuses in household circuits?
13. Write a note on dressing of ore in metallurgy?
14. What is the difference between roasting and calcination?
15. Write some of the applications of Faraday's law from daily life?
16. Write the differences between Sigma (σ) bond and Pie (π) Bond?