



# SUCCESS KEY TEST SERIES

X (English)

(Unit Test-3 Science-1 (ch-7,8))

Science And Technology - I-

DATE:

TIME: 1 hrs

MARKS: 20

SEAT NO:

**Q.1 A) Solve the following questions. (2)**

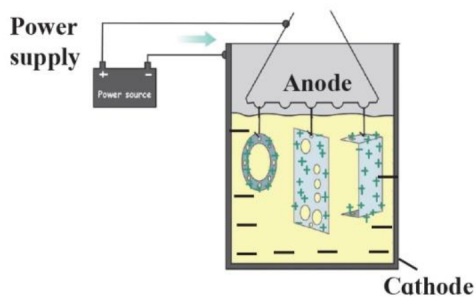
- 1) Observing stars : Telescope :: Repairing a watch : .....
- 2) Ionic compounds are ..... in kerosene.

**B) Choose the correct alternative and rewrite the sentence (3)**

- 1) ..... metal has highest melting point.  
 a. Sodium      b. Calcium      c. Tungsten      d. Zinc
- 2) What is redox reaction?  
 a. Oxidation takes place  
 b. Reduction takes place  
 c. Neither oxidation nor reduction takes place  
 d. Oxidation and reduction take place simultaneously
- 3) In the reactivity series, Magnesium is .....  
 a. more reactive than potassium      b. more reactive than sodium  
 c. less reactive than copper      d. less reactive than calcium

**Q.2 Solve the following questions. (Any two) (4)**

- 1) Pine oil is used in froth floatation method.
- 2) Identify the process shown in the diagram and explain it in short.

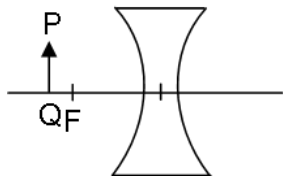


3) Complete the table

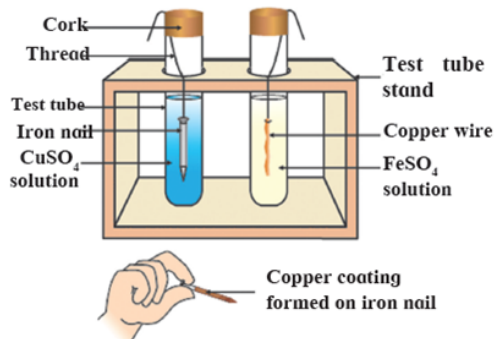
$h_1(\text{cm})$	.....	5	10
$h_2(\text{cm})$	-30	-20	.....
M	-2	.....	-0.5

**Q.3 Solve the following questions. (Any two) (6)**

- 1) Complete the following ray diagram



- 3) Draw diagram: The three types of Convex lenses.
- 2) Observe the figure and answer the questions below.



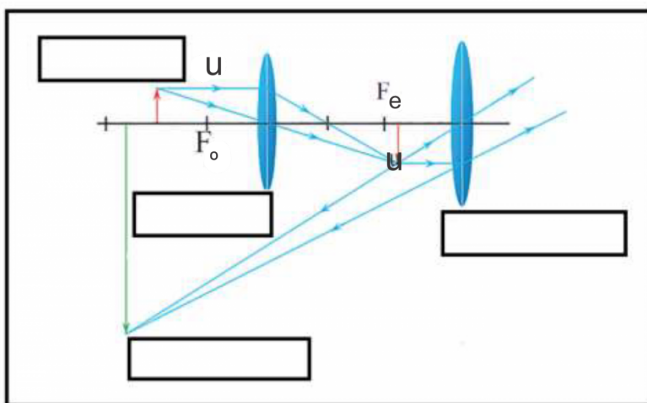
- i. In which test tube a reaction has taken place ?
- ii. How can you recognize that the reaction has taken place ?
- iii. What is the type of reaction ?

**Q.4 Solve the following questions. (Any one)**

**(5)**

- 1)
  - i. What is meant by corrosion?
  - ii. Write names of any two methods of prevention of corrosion.
  - iii. In which method, metal like copper, aluminium are coated with a thin layer of their oxides by means of electrolysis.
  - iv. Explain this method with diagram.

2)



- i. Which type of microscope has the arrangement of lenses shown in the adjoining figure?
- ii. Label the figure correctly.
- iii. Write the working of this microscope.
- iv. Where does this microscope used?
- v. Suggest a way to increase the efficiency of this microscope.