

Test Paper

Q.1. Find the position of an object, which when placed in front of a concave mirror of focal length 20cm produces a virtual image, which is twice the size of the object. 2.5

Q.2. What is the nature and the position of the image formed when an object is held at a distance of 12cm from the pole of a convex mirror of radius of curvature of 12cm. 2.5

Q.3. When a plane mirror is placed horizontally on a level ground at a distance of 60m from the front of a tower. The top of the tower and its image in the mirror subtend an angle of 90° at the eye. Find the height of the tower. 3

Q.4. What is meant by combination reaction? 1

Q.5. Give reason 2

(i) Why do the crystal of ferrous sulphate turn brownish when expose to air?

(ii) Why milkness in lime water when exhaled air is bubbled through it?

Q.6. Name the two elements each of the following nature: 4

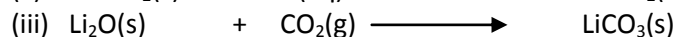
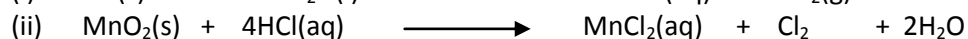
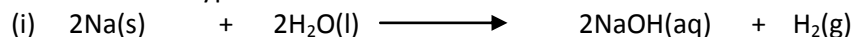
(i) Less reactive than copper.

(ii) More reactive than copper.

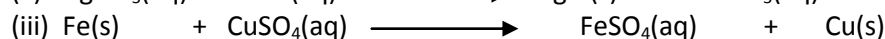
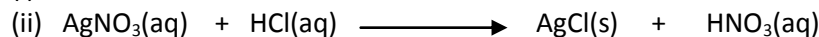
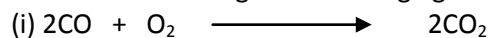
(iii) Salt/ compound present in light green colour solution.

(iv) Salt/ compound present in blue colour solution.

Q.7. Name the type of reaction: 4



Q.8. Name oxidizing and reducing agent in the following reactions: 3



Q.9. Answer the following: 3

(i) Substance called green vitriol.

(ii) What type of oxide Fe_2O_3 is

(iii) Colour of barium chloride and sodium sulphate solution.