

**PAPER – 1 MODEL QUESTION FOR THE POST OF Jr. Scientific Assistant Gd-II**

1. The chemical formula of caustic potash is

- (a) NaOH
- (b)  $\text{Ca(OH)}_2$
- (c)  $\text{NH}_4\text{OH}$
- (d) KOH

Ans. d

2. Which one of the following will turn blue litmus red?

- (a) Vinegar    (b) Lime water    (c) Baking soda solution    (d) Washing soda solution

Ans . a.

3. Which of the following is used to oxidise ethanol to ethanoic acid?

- (a) Alkaline  $\text{KMnO}_4$
- (b) Conc.  $\text{H}_2\text{SO}_4$
- (c) Acidified  $\text{K}_2\text{Cr}_2\text{O}_7$
- (d) All of above

Ans d

4. Covalent compounds

- (a) have high melting and boiling point
- (b) are mostly soluble in water
- (c) are formed between atoms of metals and non-metals
- (d) are formed by the sharing of electrons in the bonding atoms.

Ans d

5. Both  $\text{CO}_2$  and  $\text{H}_2$  gases are

- (a) heavier than air
- (b) colourless
- (c) acidic in nature
- (d) soluble in water

Ans b

6. The electrolytic decomposition of water gives H<sub>2</sub> and O<sub>2</sub> in the ratio of

- (a) 1 : 2 by volume
- (b) 2 : 1 by volume
- (c) 8 : 1 by mass
- (d) 1 : 2 by mass

Ans b

7. The bronze medals are made up of

- (a) Cu and Zn
- (b) Zn and Ni
- (c) Cu and Sn
- (d) Cu, Zn, Sn

Ans c

8. An element reacts with oxygen to give a compound with a high melting point. The compound is soluble in water. The element is likely to be

- (a) calcium
- (b) carbon
- (c) iron
- (d) silicon

Ans. c

9. 14 elements after actinium is called

- a. Lanthanides
- b. Actinides
- c. D-block elements
- d. P block elements

Ans. b

10. Identify the wrong sequence of the elements in a group

- a. Ca, Br, Ba
- b. Cu, Au, Ag
- c. N, P, As
- d. Cl, Br, I

Ans b.