

1. Which of the following methods is used to separate wolframite and stannic oxide present in cassiterite?

- (A) Hydraulic washing using Wilfley table
- (B) Froth flotation
- (C) Hydraulic classifier
- (D) Magnetic separation

2. How many isoprene units are present in abscisic acid ?

- (A) Three
- (B) Two
- (C) Four
- (D) Five

3. Action of hydrogen iodide on anisole gives,

- (A) Phenol and iodomethane
- (B) Iodobenzene and methanol
- (C) Phenol and methanol
- (D) Iodobenzene and iodomethane

4. Which among the following compounds is used to decaffeinate coffee?

- (A) Iodoform
- (B) Carbon tetrachloride
- (C) Methylene dichloride
- (D) Chloroform

5. When  $\text{CuSO}_4$  solution in water is treated with concentrated HCl it turns

- (A) Violet
- (B) Yellow

- (C) Purple
- (D) Green

6. Which of the following polymers is used in paints ?

- (A) Gutta percha
- (B) Melamine
- (C) Buna-S
- (D) Novolac

7. Which among the following pairs of compounds is NOT isomorphous?

- (A)  $\text{NaNO}_3$  and  $\text{CaCO}_3$
- (B)  $\text{K}_2\text{SO}_4$  and  $\text{K}_2\text{SeO}_4$
- (C)  $\text{NaCl}$  and  $\text{KCl}$
- (D)  $\text{NaF}$  and  $\text{MgO}$

8. Which among the following compounds is used as a selective weed killer?

- (A) Picric acid
- (B) 2,4-dichlorophenoxy acetic acid
- (C) 2,4,6- trichlorophenoxy acetic acid
- (D) Salol

9. The conductivity of an electrolytic solution decreases on dilution due to

- (A) Decrease in number of ions per unit volume
- (B) Increase in ionic mobility of ions
- (C) Increase in percentage ionisation
- (D) Increase in number of ions per unit volume

10. Which among the following solids shows the Frenkel defect ?

- (A) NaCl
- (B)  $\text{CsCl}$
- (C) KCl
- (D) AgCl

