

Note: You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

1. Phosphorus helps the growth of
(A) root (B) leave (C) stem (D) seed
2. Which set of hybrid orbital has linear shape ?
(A) SP^3 (B) SP^2 (C) SP (D) dSP^2
3. The electrophile in aromatic sulphonation is
(A) H_2SO_4 (B) $\bar{H}SO_4$ (C) SO_3 (D) SO_3^+
4. Which is neutral amino acid ?
(A) lysine (B) glycine (C) histidine (D) glutamic acid
5. Vinyl acetylene combines with HCl to form
(A) polyacetylene (B) benzene (C) chloroprene (D) divinyl acetylene
6. Which of the following sulphate is not soluble in water ?
(A) Sodium Sulphate (B) Potassium Sulphate (C) Zinc Sulphate (D) Barium Sulphate
7. The carbon atom of carbonyl group is
(A) SP – hybridized (B) SP^2 – hybridized (C) SP^3 – hybridized (D) dSP^2 – hybridized
8. Aluminium oxide is
(A) acidic (B) basic (C) amphoteric (D) neutral
9. Mark the correct statement
(A) Na^+ is smaller than Na atom (B) Na^+ is larger than Na atom
(C) Cl^- is smaller than Cl atom (D) Cl^- ion and Cl atom are equal in size
10. Which catalyst is used in contact process ?
(A) Fe_2O_3 (B) V_2O_5 (C) NO (D) SO_3
11. The strength of binding energy of transition elements depends upon
(A) number of electron pairs (B) number of unpaired electrons
(C) number of neutrons (D) number of protons
12. Which of these polymers is a synthetic polymer ?
(A) animal fat (B) starch (C) cellulose (D) polyester
13. Which compound is called a universal solvent ?
(A) H_2O (B) C_2H_5OH (C) $CH_3 - O - CH_3$ (D) CH_3OH
14. The anhydride of $HClO_4$ is
(A) ClO_3 (B) ClO_2 (C) Cl_2O_5 (D) Cl_2O_7
15. Ecosystem is a smaller unit of
(A) biosphere (B) lithosphere (C) hydrosphere (D) atmosphere
16. Elimination bimolecular reaction is
(A) zero order reaction (B) first order reaction
(C) second order reaction (D) third order reaction
17. Methyl alcohol is not used
(A) as a solvent (B) as an antifreezing agent
(C) as a substitute for petrol (D) for denaturation of ethyl alcohol