

Time: 20 Minutes

OBJECTIVE Code: 8481 Marks: 17

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. Keeping in view atomic and ionic radii, mark the correct statement
(A) $\text{Na}^+ < \text{Na}$ (B) $\text{Cl}^- < \text{Cl}$ (C) $\text{Cl}^- = \text{Cl}$ (D) $\text{Na}^+ > \text{Na}$
2. Chile Saltpeter has the chemical formula
(A) KNO_2 (B) NaNO_3 (C) $\text{Na}_2\text{B}_4\text{O}_7$ (D) $\text{Na}_2\text{CO}_3 \cdot \text{H}_2\text{O}$
3. The element belongs to group IV-A of the periodic table
(A) Barium (B) Iodine (C) Lead (D) Oxygen
4. Laughing gas is chemically
(A) NO (B) N_2O (C) N_2O_4 (D) NO_2
5. The anhydride of HClO_4 is
(A) ClO_3 (B) ClO_2 (C) Cl_2O_5 (D) Cl_2O_7
6. Which of the following is a typical transition metal?
(A) Sc (B) Y (C) Ra (D) Co
7. A double bond consists of
(A) two sigma bonds (B) two pi bonds
(C) one sigma and one pi bond (D) one sigma and two pi bonds
8. Formula of chloroform is
(A) CH_3Cl (B) CCl_4 (C) CHCl_3 (D) CH_2Cl_2
9. The electrophile in aromatic sulphonation is
(A) H_2SO_4 (B) HSO_4^- (C) SO_3 (D) SO_3^+
10. Which one of the following is not a nucleophile?
(A) H_2O (B) BF_3 (C) NH_3 (D) H_2S
11. The ethanol can be converted into ethanoic acid by
(A) Hydrogenation (B) Hydration (C) Oxidation (D) Fermentation
12. Carbolic acid is the other name of
(A) phenol (B) toluene (C) nitrobenzene (D) aniline
13. 40% aqueous solution of formaldehyde is called as
(A) formalin (B) Tollen's Reagent (C) paraldehyde (D) wood spirit
14. Histidine is an amino acid
(A) acidic (B) basic (C) amphoteric (D) neutral
15. PVC is a polymer
(A) thermosetting (B) thermoplastic (C) autoseetting (D) wet setting
16. The % age of nitrogen in NH_3 is
(A) 82 (B) 81 (C) 80 (D) 88
17. Ozone layer is present in
(A) troposphere (B) thermosphere (C) stratosphere (D) mesosphere