

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. Which one of the following compounds is most reactive?
(A) Benzene (B) Ethene (C) Ethane (D) Ethyne
2. Which one of the following is a non-typical transition element?
(A) Cr (B) Mn (C) Zn (D) Fe
3. β - β' -dichloroethyl sulphide is commonly known as
(A) Laughing gas (B) Bio-gas (C) Phosgene gas (D) Mustard gas
4. Which three elements are needed for the healthy growth of plants?
(A) N, S, P (B) N, Ca, P (C) N, P, K (D) N, K, C
5. The reaction between fat and NaOH is called
(A) Esterification (B) Hydrogenolysis (C) Fermentation (D) Saponification
6. Which compound is more soluble in water?
(A) C_2H_5OH (B) C_6H_5OH (C) CH_3COCH_3 (D) n-hexanol
7. Which one of the following ions has maximum value of heat of hydration?
(A) Na^+ (B) Cs^{2+} (C) Ba^{2+} (D) Mg^{2+}
8. Hydrogen bond is the strongest between the molecules of
(A) HF (B) HCl (C) HBr (D) HI
9. Tincal is a mineral of
(A) Al (B) B (C) Si (D) C
10. The amount of Ozone in the atmosphere is expressed in units
(A) KJ (B) KJ/mole (C) DU (D) N
11. The solution of which acid is used for seasoning of food?
(A) Formic acid (B) Acetic acid (C) Benzoic acid (D) Butanoic acid
12. The state of hybridization of Carbon atom in Methane is
(A) sp^3 (B) sp^2 (C) sp (D) dsp^2
13. Peroxyacetyl nitrate (PAN) is an irritant to human beings and it affects
(A) Eyes (B) Ears (C) Stomach (D) Nose
14. Choose the gas which is obtained by the reaction of Ethyl alcohol with conc. H_2SO_4
(A) CO (B) CO_2 (C) C_2H_2 (D) C_2H_4
15. Select the two normal elements present in sixth period
(A) K, Ca (B) Rb, Sr (C) Cs, Ba (D) La, Hf
16. Cannizzaro's reaction is not given by
(A) Formaldehyde (B) Acetaldehyde
(C) Benzaldehyde (D) Trimethylacetaldehyde
17. When water (H – OH) is made to react with Ethyl Magnesium Bromide, the product formed is
(A) $CH_2 = CH_2$ (B) $HC \equiv CH$ (C) $CH_3 - CH_3$ (D) CH_4