

Roll No. of Candidate : \_\_\_\_\_

**CHEMISTRY**

**Intermediate Part-II , Class 12<sup>th</sup> ( 1<sup>st</sup> A 424- I ) Paper: II Group – II**

**Time: 20 Minutes**

**OBJECTIVE ..... Code: 8482**

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