

# Inter (Part-II) 2019

Chemistry	Group-II	PAPER: II
Time: 20 Minutes	(OBJECTIVE TYPE)	Marks: 17

**Note:** Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

- 1-1- Which of these polymers is a synthetic polymer:  
(a) Animal fat (b) Starch  
(c) Cellulose (d) Polyester ✓
- 2- When 1-chloropropane is reacted with alcoholic KOH, the product obtained is:  
(a) Propane (b) Propene ✓  
(c) Propyne (d) Butane
- 3- The strongest acid in halogen acids in solution is:  
(a) HF (b) HCl  
(c) HBr (d) HI ✓
- 4- Which is more soluble compound in H<sub>2</sub>O:  
(a) 1-Propanol (b) Methanol ✓  
(c) Phenol (d) n-Hexanol
- 5- Molecular formula of benzyl chloride is:  
(a) H<sub>5</sub>C<sub>6</sub>CCl<sub>3</sub> (b) H<sub>5</sub>C<sub>6</sub>HCl<sub>2</sub>  
(c) H<sub>5</sub>C<sub>6</sub>CH<sub>2</sub>Cl ✓ (d) H<sub>5</sub>C<sub>6</sub>CH<sub>2</sub>.CH<sub>2</sub>Cl
- 6- Which one of the following elements is not alkali metal:  
(a) Na (b) Sr ✓  
(c) Cs (d) Fr
- 7- Peroxyacetylnitrate is an irritant to human beings and its effects:  
(a) Eyes ✓ (b) Ears  
(c) Stomach (d) Nose
- 8- Oxidation state of Cu in K<sub>2</sub>[Cu(CN)<sub>4</sub>] is:  
(a) +4 (b) +3  
(c) +2 ✓ (d) +6

9. The reagent used to reduce carboxylic group into an alcohol is:  
(a)  $H_2/Pt$  (b)  $H_2/Ni$   
(c)  $NaBH_4$  (d)  $LiAlH_4$  ✓
10. Which one of the following oxides is more basic:  
(a)  $BeO$  (b)  $SrO$  ✓  
(c)  $CaO$  (d)  $MgO$
11. Which one of the following is not a nucleophile:  
(a)  $BCl_3$  ✓ (b)  $NH_3$   
(c)  $H_2S$  (d)  $H_2O$
12. The chief ore of aluminium is:  
(a)  $Al_2O_3$  (b)  $Al_2O_3 \cdot H_2O$   
(c)  $Al_2O_3 \cdot 2H_2O$  ✓ (d)  $Na_3AlF_6$
13. Which one of the following elements is not present in all proteins:  
(a) Carbon (b) Hydrogen  
(c) Nitrogen (d) Sulphur ✓
14. The compound which reacts with Tollen's reagent:  
(a)  $HCHO$  ✓ (b)  $H_3C \cdot CO \cdot CH_3$   
(c)  $H_3C \cdot COOH$  (d)  $H_3C \cdot CO \cdot C_2H_5$
15. Woody raw material used for manufacturing of paper pulp is:  
(a) Poplar ✓ (b) Rice straw  
(c) Bagasse (d) Cotton
16. The state of hybridization of carbon in ethylene is:  
(a)  $sp^3$  (b)  $sp^2$  ✓  
(c)  $sp$  (d)  $dsp^2$
17. Which one of the following species has two unpaired electrons:  
(a)  $O_2$  ✓ (b)  $O_2^{1+}$   
(c)  $O_2^{1-}$  (d)  $O_2^{2-}$