

Inter (Part-II) 2018

Chemistry	Group-I	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- Keeping in view the size of atoms, which order is the correct one:

- (a) $Mg > Sr$ (b) $Ba > Mg$ ✓
 (c) $Lu > Ce$ (d) $Cl > I$

2- Which one of the following is not an alkali metal:

- (a) Fr (b) Cs
 (c) Rb (d) Ra ✓

3- Tincal is a mineral of:

- (a) Al (b) B ✓
 (c) Si (d) C

4- Which catalyst is used in contact process for preparing H_2SO_4 :

- (a) Fe_2O_3 (b) V_2O_5 ✓
 (c) SO_3 (d) Ag_2O

5- The anhydride of $HClO_4$ is:

- (a) ClO_3 (b) ClO_2
 (c) Cl_2O_5 (d) Cl_2O_7 ✓

6- Coordination number of pt in $[Pt Cl (NO_2)(NH_3)_4]$ is:

- (a) 2 (b) 4
 (c) 1 (d) 6 ✓

7- Which set of hybrid orbitals has planer triangular shape:

- (a) dsp^2 (b) sp^3
 (c) sp^2 ✓ (d) sp

8- Preparation of vegetable ghee involves:

- (a) Halogenation (b) Hydrogenation ✓
 (c) Hydroxylation (d) Dehydrogenation

- 9- During nitration of benzene, the active nitrating agent is:
- (a) NO_3 (b) NO_2^+ ✓
(c) NO_2^- (d) HNO_3
- 10- For which mechanism, the first step involved is the same:
- (a) E_1 and E_2 (b) E_2 and $\text{S}_{\text{N}}2$
(c) $\text{S}_{\text{N}}1$ and E_2 (d) E_1 and $\text{S}_{\text{N}}1$ ✓
- 11- Which enzyme is not involved in fermentation of starch:
- (a) Diastase (b) Zymase
(c) Urease ✓ (d) Maltase
- 12- Formalin is:
- (a) 10% solution of formaldehyde in water
(b) 20% solution of formaldehyde in water
(c) 40% solution of formaldehyde in water ✓
(d) 60% solution of formaldehyde in water
- 13- Which of the following is not a fatty acid:
- (a) Propanoic acid (b) Acetic acid
(c) Phthalic acid ✓ (d) Butanoic acid
- 14- Which one of these polymers is a synthetic polymer:
- (a) Animal fat (b) Starch
(c) Cellulose (d) Polyester ✓
- 15- Micro-nutrients are required in quantity ranging from:
- (a) 4 – 40 g (b) 6 – 200 g ✓
(c) 6 – 200 kg (d) 4 – 40 kg
- 16- Peroxyacetylnitrate (PAN) is an irritant to human beings and its affects:
- (a) Eyes ✓ (b) Ears
(c) Stomach (d) Nose
- 17- The main pollutant of leather tanneries in the waste water is due to the salts of:
- (a) Lead (b) Chromium (VI) ✓
(c) Copper (d) Chromium (III).