

Inter (Part-II) 2017

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 compound is called universal solvent:
(a) H_2O ✓ (b) CH_3OH
(c) C_2H_5OH (d) $CH_3 - O - CH_3$
- 2- Acetamide is prepared by:
(a) Heating ammonium acetate ✓
(b) Heating methyl cyanide
(c) Heating ethyl acetate
(d) The hydrolysis of methyl cyanide
- 3- Which of the following element is not present abundantly in earth's crust:
(a) Silicon (b) Aluminium
(c) Sodium ✓ (d) Oxygen
- 4- The reaction between fat and NaOH is called:
(a) Esterification (b) Saponification ✓
(c) Fermentation (d) Hydrogenolysis
- 5- Synthetic rubber is made by polymerization of:
(a) Chloroform (b) Acetylene
(c) Divinylacetylene (d) Chloroprene ✓
- 6- Phosphorus helps the growth of:
(a) Root (b) Leave
(c) Seed ✓ (d) Stem
- 7- The colour of transition metal complexes is due to:
(a) d - d transition of electrons ✓
(b) Ionization
(c) Paramagnetic nature
(d) Loss of s-electrons
- 8- The oxides of beryllium are:
(a) Acidic (b) Basic
(c) Amphoteric ✓ (d) Neutral

- 9- The carbon atom of a carboxyl group is:
(a) sp hybridized (b) sp² hybridized ✓
(c) sp³ hybridized (d) sp²d hybridized
- 10- Which acid is used in the manufacture of synthetic fibre:
(a) Formic acid (b) Oxalic acid
(c) Carbonic acid (d) Acetic acid ✓
- 11- Benzene cannot undergo:
(a) Substitution reaction (b) Addition reaction
(c) Elimination reaction ✓ (d) Oxidation reaction
- 12- Which of the following element has the highest ionization energy:
(a) N ✓ (b) P
(c) Sb (d) Bi
- 13- Which set of hybrid orbitals has planar triangular shape:
(a) dsp² (b) sp³
(c) sp (d) sp² ✓
- 14- Chlorine heptaoxide (Cl₂O₇) reacts with water to form:
(a) Hypochlorous acid (b) Perchloric acid ✓
(c) Chloric acid (d) Chlorine and oxygen
- 15- For which mechanism, the first step involved is the same:
(a) E₁ and E₂ (b) E₂ and S_N2
(c) S_N1 and E₂ (d) E₁ and S_N1 ✓
- 16- The main pollutant of leather tanneries in the waste water is due to the salt of:
(a) Lead (b) Copper
(c) Chromium (VI) ✓ (d) Chromium (III)
- 17- Keeping in view the size of atom, which order is correct one:
(a) Mg > Sr (b) Ba > Mg ✓
(c) Lu > Ce (d) Cl > I