

Inter (Part-II) 2019

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- Hydrogen bond is the strongest between the molecules of:

- (a) HCl (b) HBr
(c) HI (d) HF ✓

2- Aromatic hydrocarbons are the derivatives of:

- (a) Alkene (b) Benzene ✓
(c) Cyclohexene (d) Normal series of paraffins

3- The fibre which is made from acrylonitrile as monomer:

- (a) PVC (b) Rayon fibre
(c) Acrylic fibre ✓ (d) Polyester fibre

4- The pH range of the acid rain is:

- (a) 7 - 6.5 (b) 6.5 - 6
(c) 6 - 5.6 (d) Less than 5 ✓

5- Mark the correct statement:

- (a) Na^+ is smaller than Na atom ✓
(b) Na^+ is larger than Na atom
(c) Cl^- is smaller than Cl atom
(d) Cl^- (ion) and Cl (atom) are equal in size

6- Which of the following will have the highest boiling point:

- (a) Methanal (b) Ethanal
(c) Propanal (d) 2-Hexanone ✓

7- Boric acid cannot be used:

- (a) An antiseptic in medicine
(b) For washing eyes
(c) In soda bottles ✓
(d) For enamels and glazes

- 8- Which enzyme is not involved in fermentation of starch:
(a) Urease ✓ (b) Zymase
(c) Invertase (d) Diastase
- 9- Which woody raw material is used for the manufacture of paper pulp:
(a) Cotton (b) Bagasse
(c) Poplar ✓ (d) Rice straw
- 10- Which set of hybrid orbitals has planar triangular shape:
(a) dsp^2 (b) sp^3
(c) sp^2 ✓ (d) sp
- 11- Chile saltpetre has the chemical formula:
(a) $NaNO_3$ ✓ (b) KNO_2
(c) $Na_2B_4O_7$ (d) $Na_2CO_3 \cdot H_2O$
- 12- Vinyl acetylene combines with HCl to form:
(a) Chloroprene ✓ (b) Benzene
(c) Poly acetylene (d) Divinyl acetylene
- 13- The percentage of carbon in different types of iron products is in the order of:
(a) Cast iron > wrought iron > steel
(b) Wrought iron > steel > cast iron
(c) Cast iron > steel > wrought iron ✓
(d) Cast iron = steel > wrought iron
- 14- Elimination bimolecular reactions involve:
(a) Zero order reactions
(b) First order reactions
(c) Second order reactions ✓
(d) Third order reactions
- 15- Laughing gas is chemically:
(a) NO (b) N_2O ✓
(c) NO_2 (d) N_2O_4
- 16- Which acid is used in the manufacture of synthetic fibre:
(a) Formic acid (b) Acetic acid ✓
(c) Oxalic acid (d) Carbonic acid
- 17- Which of these polymers is an addition polymer:
(a) Nylon - 6, 6 (b) Polystyrene ✓
(c) Terylene (d) Epoxy resin