

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 an addition polymer : (A) Nylon – 6,6 (B) Polystyrene (C) Terylene (D) Epoxy resin
2	Vinyl acetylene combines with HCl to form : (A) Polyacetylene (B) Benzene (C) Chloroprene (D) Divinyl acetylene
3	The anhydride of $HClO_4$ is : (A) ClO_3 (B) ClO_2 (C) Cl_2O_5 (D) Cl_2O_7
4	According to Lewis concept ethers behave as : (A) Acid (B) Base (C) Acid as well as base (D) None of these
5	Benzene can not undergo : (A) Substitution reaction (B) Addition reaction (C) Oxidation reaction (D) Elimination reaction
6	Which of the following sulphate is not soluble in water : (A) Sodium sulphate (B) Potassium sulphate (C) Zinc sulphate (D) Barium sulphate
7	Phenol-formaldehyde resin is called : (A) Bakelite (B) Teflon (C) Orlon (D) Terylene
8	The state of hybridization of carbon atom in methane is : (A) sp^3 (B) sp^2 (C) sp (D) dsp^2
9	Which test is applied to detect amino acids : (A) Fehling's test (B) Iodoform test (C) Ninhydrin test (D) Sodium nitroprusside test
10	The oxides of metals are : (A) Acidic (B) Basic (C) Amphoteric (D) Neutral
11	Which one of the following is not nucleophile : (A) H_2O (B) H_2S (C) BF_3 (D) NH_3
12	Tinical is a mineral of : (A) Al (B) B (C) Si (D) C
13	Which is not a calcareous material : (A) Lime (B) Clay (C) Marble (D) Marine shell
14	The carbon atom of a carboxyl group is : (A) sp - hybridized (B) sp^2 - hybridized (C) sp^3 - hybridized (D) None of these
15	The residence time of NO in atmosphere is : (A) One day (B) Two days (C) Three days (D) Four days
16	A double bond consists of : (A) Two sigma bonds (B) One sigma and one pi bond (C) One sigma and two pi bonds (D) Two pi bonds
17	Laughing gas is chemically : (A) NO (B) N_2O (C) NO_2 (D) N_2O_4