

CHEMISTRY

221-(INTER PART – II)

Time Allowed : 20 Minutes

Q.PAPER – II (Objective Type)

GROUP – I

Maximum Marks : 17

PAPER CODE = 8483

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) HF (B) HCl (C) HBr (D) HI
2	Formula of chloroform is : (A) CH_3Cl (B) CCl_4 (C) CH_2Cl_2 (D) $CHCl_3$
3	Ketones are prepared by the oxidation of : (A) Primary alcohol (B) Secondary alcohol (C) Tertiary alcohol (D) All of these
4	Which is not a calcareous material : (A) Lime (B) Clay (C) Marble (D) Marine shell
5	Keeping in view the size of atoms, which order is the correct one : (A) $Mg > Sr$ (B) $Ba > Mg$ (C) $Lu > Ce$ (D) $Cl > I$
6	Rectified spirit contains ethyl alcohol : (A) 80% (B) 85% (C) 90% (D) 95%
7	Tinical is a mineral of : (A) Al (B) B (C) Si (D) C
8	For which mechanism the first step involved is the same : (A) $E1$ and $E2$ (B) $E2$ and S_N2 (C) S_N1 and S_N2 (D) $E1$ and S_N1
9	Which of the following is not a fatty acid : (A) Propanoic acid (B) Butyric acid (C) Valeric acid (D) Phthalic acid
10	Which one of the following is a typical transition metal : (A) Sc (B) Y (C) Ra (D) Co
11	Which of the following sulphates is not soluble in water : (A) Sodium sulphate (B) Potassium sulphate (C) Zinc sulphate (D) Barium sulphate
12	Linear shape is associated with which set of hybrid orbitals : (A) sp (B) sp^2 (C) sp^3 (D) dsp^2
13	Which halogen occurs in a positive oxidation state : (A) Fluorine (B) Chlorine (C) Bromine (D) Iodine
14	The electrophile in aromatic sulphonation is : (A) H_2SO_4 (B) HSO_4 (C) SO_3 (D) SO_3^+
15	Laughing gas is chemically : (A) NO (B) N_2O (C) NO_2 (D) N_2O_5
16	The carbon atom of a carboxyl group is hybridized : (A) sp (B) sp^2 (C) sp^3 (D) dsp^2
17	Which acid is used in the manufacture of synthetic fibre : (A) Formic acid (B) Oxalic acid (C) Carbonic acid (D) Acetic acid