

CHEMISTRY

222-(INTER PART – II)

Time Allowed : 20 Minutes

Q.PAPER – II (Objective Type)

GROUP – II

Maximum Marks : 17

PAPER CODE = 8484

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	The anhydride of $HClO_4$ is :
	(A) ClO_3 (B) ClO_2 (C) Cl_2O_5 (D) Cl_2O_7
2	During nitration of benzene, the active nitrating agent is :
	(A) NO_3 (B) NO_2^+ (C) NO_2 (D) HNO_3
3	Which one of the following nitrogenous base is not present in RNA :
	(A) Cytosine (B) Adenine (C) Thiamine (D) Uracil
4	Ecosystem is a smaller unit of :
	(A) Lithosphere (B) Hydrosphere (C) Atmosphere (D) Biosphere
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	Which of the following reagents will react with both aldehydes and ketones :
	(A) Grignard reagent (B) Tollen's reagent (C) Fehling's reagent (D) Benedict's reagent
7	Tincal is a mineral of :
	(A) Al (B) B (C) Si (D) C
8	Which enzyme is not involved in fermentation of starch :
	(A) Diastase (B) Zymase (C) Urease (D) Invertase
9	The main pollutant of leather tanneries in the waste water is due to :
	(A) Lead (B) Chromium (VI) (C) Copper (D) Chromium (III)
10	Linear shape is associated with which set of hybrid orbitals :
	(A) sp (B) sp^2 (C) sp^3 (D) dsp^2
11	Which ion will have the maximum value of heat of hydration :
	(A) Na^+ (B) Cs^+ (C) Ba^{++} (D) Mg^{++}
12	Vinyl acetylene combines with HCl to form :
	(A) Polystyrene (B) Benzene (C) Chloroprene (D) Divinyl acetylene
13	The colour of transition metal complexes is due to :
	(A) d-d- transition of electrons (B) Paramagnetic nature of transition elements (C) Ionization (D) Loss of s-electrons
14	In primary alkyl halides, the halogen atom is attached to a carbon which is further attached to how many carbon atoms :
	(A) Two (B) Three (C) One (D) Four
15	Which catalyst is used in contact process :
	(A) Fe_2O_3 (B) V_2O_5 (C) SO_3 (D) Ag_2O
16	Acetic acid is manufactured by :
	(A) Distillation (B) Fermentation (C) Ozonolysis (D) Esterification
17	Phosphorous helps in the growth of :
	(A) Root (B) Leave (C) Stem (D) Seed