

Class : 12

FIRST REVISION EXAMINATION, JANUARY - 20

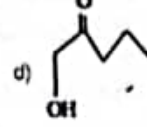
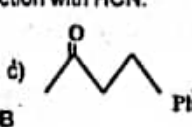
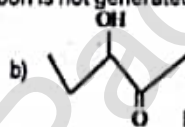
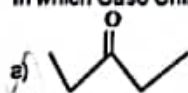
Time Allowed : 3.00 Hours

CHEMISTRY

[Max. M.]

PART - A

- I. Choose the correct answer.
- Which of the following plot gives ellingham diagram
 a) $\Delta S V_s T$ b) $\Delta G^\circ V_s T$ c) $\Delta G^\circ V_s 1/T$ d) $\Delta G^\circ V_s T^2$
 - Duralumin is an alloy of
 a) Cu, Mn b) Cu, Al, Mg c) Al, Mn d) Al, Cu, Mn, Fe
 - Hybridisation of $XeOF_4$ is -----
 a) sp^3 b) sp^3d c) sp^3d^2 d) sp^2
 - Equivalent weight of $KMnO_4$ in neutral medium is
 a) 316 b) 158 c) 52.67 d) 63.2
 - A magnetic moment of 1.73 BM will be shown by one among the following
 a) $TiCl_3$ b) $[CoCl_4]^{2-}$ c) $[Cr(NH_3)_6]^{3+}$ d) $[Ni(CN)_4]^{2-}$
 - Packing efficiency of fcc crystal lattice is
 a) 74% b) 48% c) 32% d) 26%
 - After 2 hours, a radioactive substance becomes $(1/16)^{th}$ of original amount. Then the half life is
 a) 60 minutes b) 120 minutes c) 30 minutes d) 15 minutes
 - The pH of an aqueous solution is 7. The solution is
 a) Strongly acidic b) Slightly acidic c) Neutral d) Basic
 - Among the following cells
 I Leclanche cell II Nickel - Cadmium cell
 III Lead storage battery IV Mercury Cell
 primary cell are
 a) I and IV b) I and III c) III and IV d) II and III
 - The dispersion medium and dispersion phase in Butter is
 a) Liquid, Solid b) Solid, Liquid c) Liquid, Liquid d) Solid, Solid
 - $HO-CH_2-CH_2-OH$ on heating with periodic acid gives
 a) Methanoic acid b) Glyoxal c) Methanol d) CO_2
 - Teflon is monomer of which is
 a) Difluoroethane b) Monofluoro ethane c) Tetra fluoro ethane d) Tetrafluoro ethene
 - Among the following the achiral amino acid is
 a) 2 - ethylalanine b) 2 - methylglycine
 c) 2 - hydroxymethylserine d) Tryptophan
 - Which one of the following will not undergo Hofmann bromamide reaction
 a) $CH_3CO NH CH_3$ b) $CH_3CH_2CO NH_2$ c) $CH_3CO NH_2$ d) $C_6H_5CO NH_2$
 - In which Case Chiral carbon is not generated by reaction with HCN.



PART - B

- II. Answer any six questions of the following. Question No. 24 is compulsory.
- Write note on zeolites.
 - How is potashalum prepared?
 - Why do transition elements and its compounds act as catalyst.
 - What is Bragg's equation?
 - Define emulsification and Deemulsification.

CP/



