Roll No. :

Objective Paper Code

6484

FBD-11-2-23

Intermediate Part First CHEMISTRY (Objective) GROUP - II Time: 20 Minutes Marks: 17

You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill the Q.No.1 relevant circle in front of that question number on computerized answer sheet. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero marks in that question. Attempt as many questions as given in objective type question paper and leave other circles blank.coa

S.#	24cStions	A	B	C	D
1	Indicate the catalyst used for the reaction: HCOOH \rightarrow H ₂ O+CO	/ Cu	MnO ₂	Pt	D Al2O3
2	If the salt bridge is not used between two half cells, then the voltage:	Decreases rapidly	Decreases	Does not	Drops to zer
3	The reaction at cathode during the electrolysis of dil. H ₂ SO ₄ with Pt electrodes is:	Oxidation	Reduction	Both oxidation and reduction	
4	Which solution has the highest boiling	5.85% solution of NaCl	18.0% solution of glucose	6.0% solution of urea	All have the same boiling
5	When H_2S is added to $HC\ell$ aqueous solution, the ionization of H_2S :	Increases	Remains	Decreases	point Increases rapidly
6	An excess of aqueous silver nitrate is added to aqueous barium chloride and precipitate is removed by filtration. What are the main ions in the filtrate?	Ag^+ and NO_3^- only	Ba ²⁺ and NO ₃ only	Ba^{2+} , $NO_{\overline{3}}$ and $C\ell^{-}$	Ag ⁺ , Ba ²⁺ and NO $_3^-$
7	The change in heat energy of a chemical reaction at constant temperature and pressure is called:	Internal energy change	Bond energy	Enthalpy change	Heat of sublimation
8	If an endothermic reaction is allowed to — take place very rapidly in the air, the temperature of the surrounding air:	Decreases	Increases	Remains constant	Remains unchanged
9	The number of bonds in nitrogen molecule is:	One sigma and one pi	One Signa and Two pi	Three sigma	Two sigma
10	In the ground state of an atom, the electron is present:	In the nucleus	Ja the second shell	Nearest to the nucleus	and one pi Farthest from
11	NaF and MgO are isomorphs of each other and exist in:	Tetragonal form	Rhombohedral	Orthorhombic form	the nucleus Cubic form
12	London dispersion forces are the only	Molecules of water in liquid state	Atoms of He in gaseous state at high temperature	Molecules of hydrogen chloride gas	-Molecules of -solid iodine
3	The value of R in $NmK^{-1}mol^{-1}$ is:	1.987	8.3143	0.0821	62.4
4	A real gas obeying van der Waals equation will resemble/ideal gas if:	Both "a" and "b" are small	Both "a" and " "b" are large	a" is small and " "b" is large	a" is large and "b" is small
	The stationary phase in adsorption chromatography is:	Solid		Organic liquid	Gas
1	The mass of water formed when $2g$ of H_2 and $64g$ of O_2 are combined together is:	68g	- 36g) 18g	66g
7	27g of A ℓ will react completely with how- much mass of O ₂ to produce A ℓ_2O_3 ?	-32g of oxygen	24g-of-oxygen	6g of oxygen	8g of oxygen

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10

