Roll	No.:	
C	bjectiv	/e

**Intermediate Part First** 

CHEMISTRY (Objective) GROUP - II



Paper Code 6486

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 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.

8.#	Questions		A	В				С	D
1	The wavenumber of the light emitted by a certain source is $2 \times 10^6 \mathrm{m}^{-1}$ . The wavelength of this light will be:		500nm	500m				200nm	5×10 <sup>7</sup> m
2	lonic solids are characterized by:		ow melting point	High vapour pressure			Good conductivity in solid state		Solubility in pola solvents
3	In order to mention the boiling point of water at 110°C, the external pressure should be:		rr and 1200 torr	Between 200 torr and 760 torr				765 torr	Any value of pressure
4	Equal of ideal gases at the same temperature and pressure contains number of molecules.		asses ; Equal	Volume ; Equal			Moles; Unequal		Volume ; Unequal
5	The molar volume of CO <sub>2</sub> is maximum at:		STP	127°C and 1 atm			0°C and 2 atm		273°C and 2 atm
6	Solvent extraction is particularly useful technique for the separation when the product to be separated is:	Non-volatile or thermally unstable  Volatile or thermally stable			Non-volatile or thermally stable		Volatile or thermally unstable		
7	The most common laboratory example of solvent extraction is called:	Ether extraction Distillation			tion	S	ublimation	Crystallization	
8	1 mole of glucose has number of hydrogen atoms.		6×22.414	12×6.02×10 <sup>23</sup>		6×6.02×10 <sup>23</sup>		24×6.02×10 <sup>23</sup>	
9	The number of moles of CO <sub>2</sub> which contains 8g of oxygen:	0.25		0.50		1.0		1.50	
10	In zero order reaction, the rate is independent of:	Temperature of reaction		Concentration of reactants		Concentration of products		None of these	
11	If a strip of Cu metal is placed in a solution of FeSO <sub>4</sub> :	Cu will be deposited		Fe is precipitated out		"Cu and Fe" both dissolves		No reaction takes place	
12	The molal boiling point constant is the ratio of the elevation in boiling point to the:	Molarity Mo			Molality		Mole fraction of solvent		Mole fraction of solute
	Which combination is an acidic buffer?		A HCℓ+NaCℓ				C NH <sub>4</sub> OH + NH <sub>4</sub> Cℓ		
13			CH <sub>3</sub> COOF	I + CH <sub>3</sub> COONa			D NaOH + NaCℓ		H+NaCℓ
	Which system is endothermic as well		$H_2O(\ell) \rightarrow H$	<sub>2</sub> O(g) C			$N_2(g) + O_2(g) \rightleftharpoons 2NO(g)$		
14	as spontaneous?	В	$H_2O(g) \rightarrow H$	I <sub>2</sub> O(ℓ)	D	NaOH	l(aq)	$+ HC\ell(aq) \rightarrow$	$NaC\ell(aq) + H_2O(\ell)$
15	Which molecule has zero dipole moment?	BF <sub>3</sub>		H <sub>2</sub> O		NH <sub>3</sub>		CHCℓ <sub>3</sub>	
16	The bond order of Ne <sub>2</sub> is:		Two		Three		One		·Zero
17	When 3d orbital is completely filled the entering electron goes to:		4s		4p			4f	58