## $\underline{\textbf{MODEL QUESTIONS} - \textbf{CHEMISTRY}}$

1.	of the reaction is		•	ed for completion of 87.5%
	(1) 15 min	(2) 30 min	(3) 60 min	(4) 45 min
2.	Arrange the following I) C <sub>2</sub> H <sub>5</sub> NH <sub>2</sub> (1) I < II < IV < III (3) I < IV < III < II	II) $C_6H_5NH_2$ (2) II <	order of their basic stre III) C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> NH <sub>2</sub> < III < I < IV < I < III < II	_
3.	Which of the following has least electron gain enthalpy? (1) Sulphur (2) Chlorine (3) Flourine (4) Oxygen			
4.	Assertion (A): H <sub>2</sub> O is liquid and H <sub>2</sub> S is gas at room temperature Reason (R): Molecules of H <sub>2</sub> O are highly associated through hydrogen bonding The correct answer is: (1) Both (A) and (R) are true and (R) is the correct explanation of (A) (2) Both (A) and (R) are true and (R) is not the correct explanation of (A) (3) (A) is true but (R) is not true (4) (A) is not true but (R) is true			
5.	Match the following: LIST I (Crystal System) (A) Cubic (B) Hexagonal (C) Monoclinic (D) Triclinic	tem)	LIST II (Axial Angle (I) $\alpha = \beta = 90^{\circ}$ ; $\gamma = 0$ (II) $\alpha \neq \beta \neq \gamma \neq 90^{\circ}$ (III) $\alpha = \beta = \gamma \neq 90^{\circ}$ (IV) $\alpha = \gamma = 90^{\circ}$ ; $\beta \neq 0$ (V) $\alpha = \beta = \gamma = 90^{\circ}$	: 120°
	The correct match is: (1) A-V, B-I, C-III, D (2) A-IV, B-II, C-V, (3) A-V, B-I, C-IV, D (4) A-IV, B-II, C-V,	D-IV D-I D-II		

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