(3)	(ii)	(iii)	(i)	(iv)
(4)	(iii)	(i)	(ii)	(iv)

MODEL QUESTIONS – CHEMISTRY

1. Ionization enthalpies (kJ/mole) of Li, Be, B and C are
   (1) 520, 801, 899, 1086
   (2) 1086, 899, 801, 520
   (3) 520, 899, 801, 1086
   (4) 801, 520, 899, 1086

2. Which of the following statements is not true?
   (1) Bond order of N_2 is 3
   (2) B_2 is paramagnetic
   (3) SO_2 molecule is linear
   (4) Hybridisation of B in BCl3 is sp^2

3. Which of the following is/are more acidic than phenol?
   (a) C_2H_2 (b) C_2H_5OH (c) CH_3COOH (d) CH_3CHO
   (1) a and b
   (2) c and d
   (3) only b
   (4) only c

4. Assertion (A): Carbonyl compounds undergo nucleophilic addition reactions.
   Reason (R): Carbonyl group is non-polar.
   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	LIST II
(A) Packing efficiency in ccp structure	(i) 2
(B) Number of atoms in bcc unit cell	(ii) 4
(C) Packing efficiency in simple cubic structure	(iii) 52.4%
(D) Number of atoms in fcc unit cell	(iv) 68.0%
	(v) 74.0%

   The correct answer is:

	(A)	(B)	(C)	(D)
(1)	v	iv	iii	ii
(2)	iii	ii	i	iv
(3)	v	i	iii	ii
(4)	iv	i	ii	iii

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Syllabus for TS EAMCET 2019-E Stream (Engineering Stream)

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