

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2018

Subject Name: Chemistry - I**Subject Code: 4SC01CHC1/4SC01CHE1****Branch: B.Sc. (All)****Semester: 1****Date: 31/03/2018****Time: 02:30 To 05:30****Marks: 70**

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-1	Attempt the following questions:	(14)
a)	Define: Addition reaction	1
b)	Define: Thermodynamics	1
c)	Define: Atomic radii	1
d)	Define: Hybridisation	1
e)	Define: Adsorbent	1
f)	Define an acid according to Savante Arrhenius concept.	1
g)	Draw the chemical structure of 1:3-cyclo butadiene.	1
h)	E ² reaction is _____.	1
	(a) One step reaction (b) two step reaction (c) three step reaction	
i)	known as _____.	1
	(a) Cyclo propane (b) cyclo butane (c) butane	
j)	Addition of an electron to the atom results in the formation of _____.	1
	(a) Covalent bond (b) anion (c) cation	
k)	The angle between two sp-hybrids is _____.	1
	(a) 120° (b) 90° (c) 180°	
l)	A system which can exchange energy but not matter with its surrounding is _____ system.	1
	(a) Closed (b) open (c) isolated.	
m)	Mathematically change in enthalpy is written as _____.	1
	(a) $\Delta H = \Delta E + P\Delta V$ (b) $\Delta H = \Delta E + PV$ (c) $\Delta H = \Delta q + P\Delta V$	
n)	For acidic solution value of pH is _____.	1
	(a) pH = 7 (b) pH < 7 (c) pH > 7	



