

C.U.SHAH UNIVERSITY

Winter Examination-2015

Subject Name: Chemistry-X**Subject Code: 4SC04CHE2****Branch: B.Sc (Chemistry)****Semester: IV Date: 21/11/2015****Time: 2.30 To 5.30****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.
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Q-1 Define following terms: (14)

- a) Industrial Chemistry
- b) Pesticides
- c) Insecticide
- d) Colored glass
- e) Cement
- f) Ceramic
- g) Chromophores
- h) Solvent
- i) Glass
- j) Chromatography
- k) Absorption
- l) Adsorption
- m) Solute
- n) Solution

Attempt any four questions from Q-2 to Q-8**Q-2 Attempt all questions (14)**

- a) Discuss the manufacturing process of Ammonia 7
- b) Write a note on biofertilizer in detail 7

Q-3 Attempt all questions (14)

- a) Discuss the manufacturing process of urea 7
- b) Write the different steps for manufacturing of glasses 7

Q-4 Attempt all questions (14)

- a) Write a note on ceramic 5
- b) Write the difference between Clay and feldspar 5



	c) Gives brief account on heating values	4
Q-5	Attempt all questions	(14)
	a) Gives the Classification of fuel in detail	5
	b) Write the difference between glazing and vitrification	5
	c) Write a note on production of pesticide	4
Q-6	Attempt all questions	(14)
	a) Discuss the liquefied petroleum gas (LPG), liquefied natural gas (LNG) in detail	7
	b) Write the applications and residual toxicity of gammaxane	7
Q-7	Attempt all questions	(14)
	a) Write the applications and residual toxicity of parathion	5
	b) Discuss the classification of adsorbents	5
	c) Write a note on paper chromatography	4
Q-8	Attempt all questions	(14)
	a) Write a note on TLC	5
	b) Define chromatogram and discuss the factors affecting Rf value	5
	c) Write a note on gammaxane pesticide	4

