

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Winter Examination-2015

Subject Name: Chemistry-VII

Subject Code: 4SC04CHC1

Branch: B.Sc.

Semester: IV Date : 19/11/2015 Time :2.30To5:30 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) Write formula of silane
- b) Define reaction
- c) Define rearrangement
- d) Define Oxidation
- e) Define Reduction
- f) Define Carbohydrate
- g) Define Medicine
- h) Write the full form of TDS
- i) Draw the structure of picric acid
- j) Define drug
- k) Define epimerization
- l) Define solution
- m) Draw the structure of glucose
- n) Define peptides

Attempt any four questions from Q-2 to Q-8

Q-2 Attempt all questions (14)

- a) Write the Ullman reaction with proper mechanism and applications 7
- b) Write the Neber rearrangement with proper mechanism and applications 7

Q-3 Attempt all questions (14)

- a) Write the Knorr pyrrole reaction with proper mechanism and applications 7
- b) Write the Stevens rearrangement with proper mechanism and applications 7

Q-4 Attempt all questions (14)

- a) Write a note on Skraup synthesis 5
- b) Write a note on ozone reagent 5
- c) Explain the isoprene rule for terpenoids 4



Q-5	Attempt all questions	(14)
	a) Write a note on KMnO_4 reagent	5
	b) Write constitution and synthesis of citral and menthol	5
	c) Write a note on Ene reaction	4
Q-6	Attempt all questions	(14)
	a) Discuss the Structure determination and synthesis of b-carotene	7
	b) Discuss the occurrence and classification of carbohydrates	7
Q-7	Attempt all questions	(14)
	a) Write a note on Vitamin- A	5
	b) Discuss the synthesis and application of sulpha triazole	5
	c) Write synthesis of chloramphenicol and veronal	4
Q-8	Attempt all questions	(14)
	a) Write a note on Kiliani –Fischer method and Ruff's method	5
	b) Discuss the classification of dyes in detail	5
	c) Write synthesis of Indigotin and Congored	4

