

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2016

Subject Name : Botany-I

Subject Code : 4SC01BOC1

Branch: B.Sc(All)

Semester : 1

Date : 25/04/2016

Time : 10:30 To 01:30

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 botany.	1
	b) Define taxonomy.	1
	c) Define apical cell.	1
	d) What is histogen theory?	1
	e) What is meristem?	1
	f) Define cell differentiation.	1
	g) Define dicot plants.	1
	h) Write any two examples of bryophytes.	1
	i) What is herbarium collection?	1
	j) Define zygomorphic flower.	1
	k) Define petiolate leaf.	1
	l) Draw a diagram of flower.	1
	m) What is inflorescence?	1
	n) What is phyllotaxy?	1

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

Q-2	Attempt all questions	
	Explain bentham and hooker classification in brief with its merits and demerits	14
Q-3	Attempt all questions	(14)
A	Explain process to prepare herbarium sheets with diagram.	7
B	Explain Five kingdom classifications in detail.	7
Q-4	Attempt all questions	(14)
A	Write and note on evolution and phylogeny of plants	7
B	Write a note on types of fruit	7



Q-5	Attempt all questions	(14)
A	Explain part of monocot root in detail with diagram.	7
B	Describe part of dicot stem in detail with diagram.	7
Q-6	Attempt all questions	(14)
A	Explain structure of flower in detail with labeled diagram	7
B	Explain racemose inflorescence with diagram	7
Q-7	Attempt all questions	(14)
A	Discuss cymose inflorescence with diagram.	7
B	Explain phyllotaxy in detail with diagram.	7
Q-8	Attempt all questions	(14)
A	Explain stomata and vascular bundle in detail with diagram	7
B	Write a note on calvin cycle.	7

