

C.U.SHAH UNIVERSITY

Summer Examination-2016

Subject Name : Plant Morphology & Anatomy

Subject Code : 4SC01PMA1

Branch: B.Sc(Microbiology)

Semester : 1

Date : 27/04/2016

Time : 10:30 To 1:30

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 plant morphology	1
	b) Define venation	1
	c) Enlist types of bud on the basis of position on plant	1
	d) What is stipule?	1
	e) Write different types of tissue system	1
	f) What is merismatic tissue?	1
	g) Define plant anatomy	1
	h) What is phyllotaxy?	1
	i) What is perianth?	1
	j) What is aestivation?	1
	k) What is inflorescence?	1
	l) What is petiole?	1
	m) Write floral formula of leguminosae family	1
	n) What is bract?	1

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

Q-2	Attempt all questions	(14)
	a) Write classification of meristems based on origin and position	07
	b) Write classification of permanent tissue	07
Q-3	Attempt all questions	(14)
	a) Enlist different types of inflorescence and explain racemose inflorescence in detail with figure	07
	b) Write a note on anatomy of dicot and monocot leaf with figure	07
Q-4	Attempt all questions	(14)
	a) Write a note on different types of phyllotaxis with appropriate example and figure	07
	b) Write a note on anatomy of dicot and monocot root with figure	07



Q-5	Attempt all questions	(14)
	a) Write a note on aestivation	05
	b) Write a note on different types of leaf shape with figure	05
	c) Write down floral formula of Apocynaceae family and draw floral diagram of Apocynaceae	04
Q-6	Attempt all questions	(14)
	a) Draw the diagram of flower and leaf containing all the parts	07
	b) Write a note on all the parts of flower	07
Q-7	Attempt all questions	(14)
	a) Write note on parts of typical root and types of root with figure	07
	b) Write note on anatomy of dicot and monocot stem with figure	07
Q-8	Attempt all questions	(14)
	a) Write a note on types of venation	07
	b) Write a note on types of leaf base and apex	07

