Enrollment No: Exam S	eat No:
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C.U.SHAH UNIVERSITY

Summer Examination-2018

Subject Name : Botany - II

Subject Code : 4SC02BOC1 Branch: B.Sc. (Chemistry)

Semester: 2 Date: 04/05/2018 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)	Name fat soluble vitamins.	(1)
	b)	Who invented structure of DNA?	(1)
	c)	Enlist types of RNA.	(1)
	d)	Vitamin C is water soluble. True/False?	(1)
	e)	Yeast is reproduced by	(1)
	f)	Locomotion is undertaken by?	(1)
	g)	Enlist phase of cell cycle.	(1)
	h)	Cell wall of algae is made up of	(1)
	i)	There are total 22 amino acids. True/False?	(1)
	j)	Cell wall of fungi is made up of	(1)
	k)	Who invented fluid mosaic model?	(1)
	1)	Define: Lamp brush chromosome.	(1)
	m)	Uracil is present in DNA structure. True/False?	(1)
	n)	Programmed cell death is also known as	(1)
Attem	pt any f	Cour questions from Q-2 to Q-8	
Q-2		Attempt all questions	(14)
~ -	a)	Write a note on DNA replication.	(7)
	b)	Write a note on Fungi.	(7)
Q-3		Attempt all questions	(14)
	a)	Write a short note on Algae.	(7)
	b)	Write a short note on Nitrogen Metabolism and Fixation.	(7)
Q-4		Write notes on:	(14)
	a)	Chromosome.	(4)
	b)	Lipids.	(5)



C	e) RNA and its types.	(5)
Q-5	Attempt all questions	(14)
a	Write a note on Cell Cycle.	(7)
	Draw and explain the structure of DNA.	(7)
Q-6	Attempt all questions	(14)
a	Write a short note on Vitamins.	(7)
b	Write a note on structure of Plasma Membrane.	(7)
Q-7	Attempt all questions	(14)
a	Write a comparative note on Cell Differentiation and Interactions.	(6)
b	Enlist economic importance of Fungi.	(3)
	Explain proteins in brief.	(5)
Q-8	Attempt all questions	(14)
a	Write a short note on gene regulation in prokaryotes.	(7)
b	Enlist economic importance of Algae.	(3)
	Discuss classification of amino acids	(4)

