This question paper contains 3 printed pages]

R-80-2017

FACULTY OF SCIENCE

B.Sc. (First Year) (First Semester) EXAMINATION MARCH/APRIL, 2017 (CBCS/CGPA Pattern)

BOTANY

Paper II (CCB-I)

(Cell and Molecular Biology)

(MCQ+Theory)

			(MC)	Q+Ineory)		20, 1/2 1/2 (20, 12)	
(Wednesday, 5-4-2017)					Time: 10.00 a.m.	to 12.00 noon	
Time—2 Hours					Maximum Marks—40		
N.B.	:	(i)	Attempt All question				
	(ii)	All questions carry ϵ	equal mark	KS.		
	(i)		Use separate answ descriptive questions		for MCQ (OMR	sheet) and	
	(i	(v)	Draw well labelled o	diagrams w	vherever necessar	y.	
		You'd		MCQs)			
1.	Choose the correct answer of the following		e following	questions :	10		
	(i)	The by	he packaging and transport of proteins in eukaryotic cells is done				
		(a)	Nucleus	(b)	Ribosomes		
		(c)	Golgi bodies	(d)	Lysosomes		
	(ii) T		e hydrolytic enzymes	are present	in:		
		(a)	E.R.	(<i>b</i>)	Ribosomes		
No Co		(c)	Golgi bodies	(d)	Lysosomes		
	(iii)		e longest stage in cell	cycle is:			
		(a)	G_1	(<i>b</i>)	S		
550		(c)	G_{2}	(d)	M		

P.T.O.

WT			R-80-2017				
		(Theory)					
2.	Desc	ribe the ultrasturcutres of prokaryotic cell.	10				
		Or Section 1					
	Desc	Describe in brief:					
	(a)	Ribosomes					
	(<i>b</i>)	Sickle cell anemia	5				
3.	Desc	cribe the process of mitosis cell division.	10				
	Desc	cribe in brief:	Color Service				
	(<i>a</i>)	Spontaneous mutation	5				
	(<i>b</i>)	Fine structure of gene.	5				
4.	Describe composition of DNA and elaborate Meselson and Stahl experiment						
	of se	of semiconservative replication of DNA.					
	Desc	ribe in brief:					
	(<i>a</i>)	Polytene chromosome	5				
	(b)	t-RNA.	5				