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W-87-2018

FACULTY OF SCIENCE

B.Sc. (First Year) (First Semester) EXAMINATION OCTOBER/NOVEMBER, 2018

(CBCS/CGPA)

BOTANY

Paper II

(Cell and Molecular Biology)

(MCQ & Theory)

Time: 10.00 a.m. to 12.00 noon (Saturday, 20-10-2018) Time—2 Hours Maximum Marks—40 N.B. : (i)Attempt All questions. All questions carry equal marks. (ii)Use separate answer-sheet for MCQs (OMR sheet) and descriptive (iii)questions. Draw well labelled diagrams wherever necessary. (iv)MCQ 1. Choose the *correct* answer of the following questions: 10 (i) Eukaryotic cell differs from prokaryotic cell in having: (a)Ribosomes (*b*) Plasma membrane True nucleus Nucleolus (c)(d)Lysosomes were first reported by: (ii)Flemming (*b*) Porter (a) Robert Brown de Dave (c)(d)Diagrammatic representation of Karyotype is called as: (iii)Idiogram (*b*) Phenogram (a) Histogram Cardiogram (c) (d)

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	Theory	
2.	Describe in detail ultrastructure and functions of nucleus.	10
	Or STATE OF THE PROPERTY OF TH	
	Describe in brief:	
	(a) Ribosomes	
	(b) Fine structure of gene.	
3.	What is Meiosis? Describe prophase-I of meiosis.	10
	Describe in brief:	
	(a) Lampbrush chromosome	
	(b) AKU.	r"
4.	What are Nucleic acids? Describe types and functions of R	NA. 10
	Describe in brief:	
	(a) Cell cycle	
	(b) PKU.	
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