This question paper contains 3 printed pages]

## Y-150-2019

## FACULTY OF SCIENCE AND TECHNOLOGY

## B.Sc. (First Year) (First Semester) (Backlog) EXAMINATION OCTOBER/NOVEMBER, 2019

ZOOLOGY

Paper II (CCZ-I)

(Cell Biology)

(MCQ & Theory)

(Thursday, 21-11-2019) Time: 10.00 a.m. to 12.00 noon

N.B. := (i) Attempt all questions.

Time—2 Hours

Maximum Marks—40

- v.b. .— (i) Attempt all questions.
  - (ii) All questions carry equal marks.
  - (iii) Use separate OMR answer sheet for Question No. 1.
  - (iv) One mark each for correctly answered multiple choice question (MCQ).
  - (v) Negative marking system for wrong answer of MCQ is applicable.
  - (vi) Use black ball point pen to darken the circle of correct choice of answer of MCQ in OMR answer-sheet.
  - (vii) Darken only one circle for the answer of each MCQ.
  - (viii) Illustrate your answers with suitable labelled diagrams wherever necessary for questions 2, 3 and 4.

## **MCQ**

- 1. Mark the option for correct answer of each of the following MCQs in OMR answer-sheet:
  - (i) The first operational light microscope was constructed by.....
    - (a) Knoll and Ruska
- (b) Prebus and Miller
- (c) Janssen and Hans
- (d) Siemens
- (ii) Plasma membrane is.....membrane.
  - (a) Selectively permeable
- (b) Permeable

(c) Impermeable

(d) Semipermeable

P.T.O.

WT		(3)	-2019
		Theory	
2.	Descr	ribe in detail structure of an animal eukaryotic cell.	10
		Or State of the st	
	Write notes on:		
	(a)	Lattice model of plasma membrane	
	( <i>b</i> )	Significance of meiosis	
3.	Descr	ribe in detail structure and functions of endoplasmic reticulum.	10
			3, 33,
	Write short notes on:		þ
	(a)	Functions of Golgi complex	
	( <i>b</i> )	Non-malignant tumour.	
4.	Descr	ribe in detail structure and functions of chromosome.	10
	Write notes on:		
	(a)	Nucleolus	
	(b)	Zygotene in meiosis.	