This question paper contains 3 printed pages]

## R-118-2017

### FACULTY OF SCIENCE

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

ZOOLOGY

Paper II

(Cell Biology)

(MCQ+Theory)

#### (Monday, 10-4-2017)

Time—2 Hours

Time: 10.00 a.m. to 12.00 noon

Maximum Marks—40

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

- (ii) Use separate answer-sheet (OMR) for Question No. 1.
- (iii) One mark to each correct answer of MCQ.
- (iv) Negative marking system for wrong answer is applicable.
- (v) Use black ball point pen to darken the circle of correct choice in OMR answer-sheet.
- (vi) Draw well labelled diagrams, wherever necessary for Question Nos. 2, 3 and 4.

### (MCQ)

1. Choose the correct answer	er :
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10

- (i) ...... model of plasma membrane was proposed by Danielli and Dayson.
  - (a) Fluid mosaic
- (b) Unit-membrane

(c) Sandwich

- (d) Lattice
- (ii) The prokaryotic cells are characterised by ......
  - (a) A distinct nucleus
  - (b) A distinct chromosome
  - (c) Absence of chromate in network
  - (d) Absence of nuclear membrane

P.T.O.

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		(T	heo	ry)			2 20 20 20 20 20 2 20 20
2.	_	in in detail fluid mosaic m functions.	node	l of	plasma membrane	and add a	note
			Or				
	Write	notes on:		800			\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	(a)	Light microscopy	V. S.				
	( <i>b</i> )	Telophase of mitosis.	36,50				Y SO
3.	Expla	in in detail structure and	fund	tio	ns of endoplasmic r	eticulum.	10
			Or				)
	Write	notes on:				2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
	(a)	80 S ribosomes		2 V E		35 25 63	
	( <i>b</i> )	Metaphase of meiosis-II.		100		A GO	
4.	Descri	ibe in detail structure and	fun	ctio	ns of chromosome.	P.	10
			Or				
	Write	notes on:	300				
	(a)	Nucleolus		3000			

(b)

Pachytene in meiosis.