This question paper contains 3 printed pages]

B-150-2019

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (First Year) (First Semester) EXAMINATION

MARCH/APRIL 2019

(CBCS/CGPA Pattern)

ZOOLOGY

Paper II (CCZ-I)

(Cell Biology)

(MCQ & Theory)

(Thursday, 4-4-2019)

Time: 10.00 a.m. to 12.00 noon

Time-2 Hours

Maximum Marks—40

- N.B. := (i) Attempt All questions.
 - (ii) All questions carry equal marks.
 - (iii) Use of 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 of 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 suitably labelled diagrams wherever necessary for questions 2, 3, 4.

MCQ

- 1. Mark the option for *correct* answer of each of the following MCQs in OMR answer sheet:
 - - (a) Ring or spot

(b) Lines

(c) Light

(d) Dots

P.T.O.

WT			(2)		B—150—2019		
	(ii)	Trilaı	minar model of plasma memb	rane v	vas proposed by		
		(a)	Singer and Nicolson	(b)	Hiller and Hoffman		
		(c)	Robertson	(d)	Wolper		
	(iii)	The name endoplasmic reticulum was coined by					
		(a)	Benda	(b)	Porter		
		(c)	Wolper	(d)	Robert Brown		
	(iv)	The term "Mitochondria" was introduced by:					
		(a)	Kollikar	(b)	Fleming		
		(c)	Fontana	(d)	Benda		
	(<i>v</i>)	Lysosomes were discovered by:					
		(a)	J. Rhodin	(b)	Fontana		
		(c)	C. De Duve	(<i>d</i>)	Waldeyer		
	(vi)	The term chromosome was coined by:					
	Ó	(a)	Waldeyer	(b)	Karl Nageli		
		(c)	Hofmeister	(d)	Walter		
A.P.	(vii)	Blood cancer is also known as:					
		(a)	Sarcoma	(<i>b</i>)	Carcinoma		
		(c)	Leukemias	(d)	Melanomas		
	(viii)	Replication of DNA takes place in phase of cell cycle.					
	XX 17 10	(a)	S	(<i>b</i>)	M		
		(c)	G_1	(d)	G_2		
	(ix)	Golgi complex is also known as:					
		(a)	Bioblast	(<i>b</i>)	Lipochondria		
	999	(c)	Vacuoles	(d)	Sarcosomes		

W.I.			(3) B—150—2019				
	(x) Micellar modes of plasma membrane was proposed by:							
		(a)	Hiller and Hoffman	(b) Robertson				
		(c)	Singer and Nicolson	(d) Garter and Grendel				
			Theo	ory				
2.	Explain in detail fluid mosaic model of plasma membrane. Add a note on its							
	functi	ons.	Or	10				
	Write	notes						
	(a)		t Microscope					
	(<i>b</i>)		ificance of Mitosis.					
3.	Descr	Describe in detail structure and functions of mitochondria. 10						
			Or					
	Write	notes	on					
	(a)	70S	ribosome	4747,478,678 47,47,478,77				
	(b)	Mali	gnant tumour.					
4.	Expla	in str	ucture and functions of	Nucleus. 10				
2			Or					
والمالية	Write	notes	on:					
	(a)	Polyt	ene chromosome					
	<i>(b)</i>	Meta	phase in mitosis.					
5.65°	11/02/30	000	5,50,45,45,45,4					