This question paper contains 2 printed pages]

NB-12-2023

FACULTY OF SCIENCE

B.Sc. (First Year) (First Semester) EXAMINATION NOVEMBER/DECEMBER, 2023

BIOTECHNOLOGY

(New Course)

Paper-(CCBT-2A)

(Basic Bioscience)

(Monday, 04-12-2023) Time: 10.00 a.m. to 1.00 p.m. Time—3 Hours Maximum Marks—75 N.B. := (i) All questions are compulsory. Draw a well labelled diagram wherever necessary. Describe Whittaker's five kingdom system in detail. 15 Describe prokaryotic cell in detail. 8 Describe prebiological chemical evolution in detail. 7 What is flower? Describe parts of flower with their functions. 15 OrP.T.O.

WT			NB—12—2023			
	(a)	Describe types of fruit in detail.	8			
	(<i>b</i>)	Write a note on seed.	5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			
3.	Descr	ibe female reproductive cycle with hormones.	15			
	(a)	Write a note on Apiculture.	8			
	(<i>b</i>)	Write a note on Sericulture.	7			
4.	Write characteristics of fungus and explain reproduction of fungus with spore					
	types	The way to the training the state of the sta	15			
		or print				
	(a)	Prevention of fungal growth.	8			
	(b)	Explain ultra structure of typical fungal.	7			
5 .	Write	notes on (any three):	15			
	(i)	Eukaryotic cell				
	(ii)	Photoperiodism				
	(iii)	Lactation				
	(iv)	Effect of Environment on Growth of Fungus				
	(v)	Vermiculture.				

NB-12-2023

This question paper contains 3 printed pages]

NB-01-2023

FACULTY OF SCIENCE

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

NOVEMBER/DECEMBER, 2023

(New Course)

BIOTECHNOLOGY

(Functional English)

(Wed	dnesda	y, 29-11-2023) Time: 10.00 a.m. to	1.00 p.m.
Time	e—Thre	ee Hours Maximum M	arks—75
<i>N.B</i> .	: (i)	All questions are compulsory.	
	(ii) All questions carry equal marks.	
1.	Discus	ss various word formation processes with examples.	15
		Or Live Con	
	(a)	What is bound morpheme? Explain with examples.	8
	(b)	State morphological structure of:	7
VK.		(i) Partiality	
		(ii) Colonialism	
		(iii) Shoemaker	
		(iv) Unemployment	
2.	Define	e open and closed word classes.	15
		Or Or	
65/4	(a)	Explain functions of adverb phrase.	8
	(b)	Importance of seminar.	7
			P.T.O.

Sharma told me, "Please, sit here till I come back."

6.

Raj said, "Alas! my pet died yesterday."

WT	ZO' 8	3)		NB-01-2023
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4. What is scientific report? Discuss elements of scientific report. 15

Or

- (a) Draft a letter to complain about the contaminated water supply in your area addressing to the Commissioner, Municipal Corporation of your city.
- (b) Write an essay on "The most inspirational person in my life". 8
- 5. Write short notes on any three: $3\times5=15$
 - (a) Free morpheme
 - (b) Adjective phrase
 - (c) Process of GD
 - (d) Demonstratives
 - (e) Importance of resume

This question paper contains 2 printed pages]

NB-18-2023

FACULTY OF SCIENCE AND TECHNOLOGY

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

NOVEMBER/DECEMBER, 2023

(New Course)

BIOTECHNOLOGY

(Microbiology-I)

(Wednesday, 6-12-2023)

Time: 10.00 a.m. to 1.00 p.m.

Time—3 Hours

Maximum Marks—75

- N.B. := (i) Attempt all questions.
 - (ii) Illustrate your answers with suitably labelled diagrams, wherever necessary.
- Describe in detail spontaneous generation? Explain the Redi's experiment.

Or

- (a) Write a short note on physiological significance of fermentation. 8
- (b) Explain the Koch's postulates.

7

P.T.O.

WT		(2) N	IB—18—	-2023
2.	Desci	ribe in detail food and dairy microbiology.		15
		Or Soft Soft		2
	(a)	Write a short note on space microbiology.	20 CAL	8
	(<i>b</i>)	Write a short note on medical microbiology.	3,	7
3.	What	t is cytoplasmic inclusion? Give any two examples of	it along	with
	funct	ion.		15
		SOr SO SO	.0,5	
	(a)	Write a short note on ribosome of bacteria.		8
	(b)	Write a short note on mesosome.		7
4.	Desci	(PLX)	15	
	50	OF STATE OF		
	(a)	What are the differences between Spore and Cyst.		8
	(b)	Write a short note on eukaryotic cell function.		7
5.	Write	e short notes on any three out of four :		15
6 A.	(a)	Micrographia		
	(b)	Agricultural Microbiology		
SOL	(c)	Nucleoid		
	(d)	Golgi apparatus.		
		Do Blos Blos Milos		
NB–	-182	023		