This question paper contains 2 printed pages]

NY-203-2023

FACULTY OF SCIENCE

M.Sc. (Second Year) (Fourth Semester) EXAMINATION

NOVEMBER/DECEMBER, 2023

(New/CBCS Pattern)

BIOTECHNOLOGY

Paper BT-XVI

(Environmental Biotechnology)

(Monday, 11-12-2023)

Time: 2.00 p.m. to 5.00 p.m.

Time—Three Hours

Maximum Marks—75

- N.B. := (i) All questions are compulsory.
 - (ii) Draw a well labelled diagram wherever necessary.
- Describe global environmental problems and their impact in biotechnological approaches for management.

Or

Write a nitrogen cycle with microorganisms involved in it.

2. Describe biofuels with advantages and disadvantages.

15

Or

Write notes on:

- (a) MEOR
- (b) Bioemulsifiers.

P.T.O.

Write	short notes on:	15
(a)	Aquatic habitats	
(<i>b</i>)	Air pollution.	V SE
What	is pollution? Write a detailed note on water pollution, it sources, cor	ıtrol
of wat	ter pollution and its effects on humans and animals.	
Descri	ibe bioremediation of contaminated soils and wastelands.	15
25/41	Or the Or the Original of the Control of the Original of the O	
Write	notes on:	
(a)	Trickling filter	
(<i>b</i>)	Rotating discs.	
Write	short notes on (any three):	15
(a)	Hydrocarbons	
(<i>b</i>)	Carbon cycle	
(c)	Activated sludge	
(<i>d</i>)	Need for water management	
(e)	Energy flow.	
	(a) (b) What of wa Descr Write (a) (b) Write (a) (b) (c) (d)	(b) Air pollution. Or What is pollution? Write a detailed note on water pollution, it sources, core of water pollution and its effects on humans and animals. Describe bioremediation of contaminated soils and wastelands. Or Write notes on: (a) Trickling filter (b) Rotating discs. Write short notes on (any three): (a) Hydrocarbons (b) Carbon cycle (c) Activated sludge (d) Need for water management

NY-203-2023

NY-203-2023

WT