

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI – 86
(For candidates admitted from the academic year 2023 – 2024)

M.Com / M. Sc. DEGREE EXAMINATION, APRIL 2024
DEPARTMENT OF BIOTECHNOLOGY
SECOND SEMESTER

COURSE : ELECTIVE
PAPER : APPLICATION OF BIOTECHNOLOGY
SUBJECT CODE : 23BY/PE/AB23
TIME : 3 HOURS **MAX. MARKS: 100**

SECTION A			
Q. No.	Answer ALL Questions	CO	KL
	(8 x 1 = 8 marks)		
1	Define fermentation technology.	1	1
2	What is spawning?	1	1
3	What is first generation Biofuel?	1	1
4	What are clones?	1	1
5	List any two marine products from microbes.	1	1
6	What is composting ?	1	1
7	What are edible vaccines?	1	1
8	Give two examples of genetic diseases?	1	1
SECTION – B			
Q. No.	Answer ALL Questions	CO	KL
	(6 x 2 = 12 marks)		
9	Give the Binominal name of yeast and the enzymes produced by yeast.	2	2
10	What are Vectors?	2	2
11	What are protein factories?	2	2
12	Define vermicompost and list its types.	2	2
13	Define transgenic animals. Give examples.	2	2
14	What are cytotoxic drugs?	2	2
SECTION C			
Q. No.	Answer Any FOUR Questions	CO	KL
	(4 x 10 = 40 marks)		
15	Predict the steps involved in large scale production of antibiotics.	3	3
16	Compute biofertilizer production.	3	3
17	Show the production of bioethanol and its importance.	3	3

18	Present the steps involved in the production of transgenic plants with Bt toxin.	3	3
19	Compile cancer therapy.	3	3
20	Relate the applications of genetically modified organisms.	3	3
	SECTION – D		
Q. No.	Answer Any TWO Questions (2 x 20 = 40 marks)	CO	KL
21	Outline the methods of production of wine.	4	4
22	Examine the steps involved in mushroom cultivation.	4	4
23	Investigate the methodology of DNA fingerprinting and its applications.	4	4
24	Analyze the production of biogas and its importance.	4	4
