

THE KAVERY ENGINEERING COLLEGE*(An Autonomous Institution)***B.E/B.TECH DEGREE END SEMESTER THEORY EXAMINATIONS, APRIL-MAY 2025***Seventh Semester**Biomedical Engineering***OBT352- Basics of Microbial Technology***(Common to Agricultural Engineering)**Regulations - 2021***Duration : 3 Hrs****Maximum Marks: 100****PART – A (ANSWER ALL QUESTIONS) (Marks 10*2=20)**

Q.No	Questions	BLT	CO	Marks
1.	Rephrase microbes.	L2	1	2
2.	Classify microorganisms.	L2	1	2
3.	Infer sterilization.	L2	2	2
4.	Demonstrate fermentation.	L2	2	2
5.	What is a causative agent?	L1	3	2
6.	Outline any two symptoms of Covid.	L2	3	2
7.	List any two application of microbes.	L1	4	2
8.	Explain marine microbiology.	L2	4	2
9.	How are fermented beverages produced?	L1	5	2
10.	Name any two vaccines?	L1	5	2

PART – B (ANSWER ALL QUESTIONS) (Marks 5*16 = 80)

Q.No	Questions	BLT	CO	Marks
11. a	Explain any two inventions of great scientist and history in relationship with microbes.	L3	1	16
	Or			
b	Classify and explain microorganisms in detail with necessary diagrams.	L3	1	16
12. a	Summarize physical and chemical sterilization in detail with necessary diagram.	L2	2	16

Or

	b	Outline the cultivation and growth of microbes with all the necessary steps.	L3	2	16
13.	a	Solve in detail the morphology, cultural characteristics, laboratory diagnosis, pathogenicity and prophylaxis of vibrio cholerae.	L3	3	16
		Or			
	b	Develop the morphology, life cycle, disease caused and laboratory diagnosis of Salmonella typhi.	L3	3	16
14.	a	Analyze the applications of clinical microbiology in detail.	L4	4	16
		Or			
	b	Contrast environmental microbiology and animal microbiology in detail.	L4	4	16
15.	a	Discover how biopesticide, biofertilizers, vermi compost are formed by microbes.	L4	5	16
		Or			
	b	Explain the function of the pharmaceutical products and their relationship with microbes in detail.	L4	5	16