

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BVoc DEGREE EXAMINATION MAY 2025
(Third Semester)

Branch- FOOD PROCESSING TECHNOLOGY

FOOD MICROBIOLOGY AND FERMENTATION TECHNOLOGY

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	Which of the following is not an intrinsic factor influencing microbial growth in foods? a) pH b) Temperature c) Water activity d) Nutrient content	K1	CO1
	2	Show the microorganism that is primarily responsible for the spoilage of bread. a) <i>Lactobacillus</i> b) <i>Rhizopus</i> c) <i>Pseudomonas</i> d) <i>Saccharomyces</i>	K2	CO1
2	3	Find the most common cause of spoilage in fresh fruits and vegetables. a) Enzymatic browning b) Bacterial contamination c) Mould growth d) Chemical additives	K1	CO2
	4	Infer the preventive measure for spoilage of dairy products. a) Pasteurization b) Freezing c) Canning d) Fermentation	K2	CO2
3	5	Name a common symptom of <i>Shigella spp.</i> infection. a) Double vision b) Diarrhea with blood c) Muscle paralysis d) Skin rash	K1	CO3
	6	Interpret the type of toxin produced by <i>Bacillus cereus</i> in foodborne intoxications. a) Neurotoxin b) Enterotoxin c) Endotoxin d) Exotoxin	K2	CO3
4	7	What does TDT stand for in sterilization? a) Thermal Destruction Time b) Total Destruction Temperature c) Total Development Time d) Thermal Death Time	K1	CO4
	8	Show an example of lactic acid fermentation from the following options. a) Cheese production b) Vinegar production c) Alcohol production d) Yogurt production	K2	CO4
5	9	Recall the type of fermentor commonly used for growing microorganisms in liquid media. a) Solid substrate fermentor b) Submerged culture fermentor c) Batch reactor d) Fixed-bed reactor	K1	CO5

Cont...

ALL questions carry EQUAL Marks (5 × 7 = 35)

ALL questions carry EQUAL Marks (3 × 10 = 30)

Z-Z-Z END