

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION DECEMBER 2019
(Fifth Semester)

Branch - NUTRITION, FOOD SERVICE MANAGEMENT AND DIETETICS

FOOD MICROBIOLOGY

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 x 2 = 20)

- 1 Define Antagonism.
- 2 What are saprophytes? Give two examples.
- 3 List out the three principle types of asexual spores.
- 4 Mention the nutrition of yeast in foods.
- 5 List out the classification of foods by ease of spoilage.
- 6 What are the microorganisms involved in ropiness of bread.
- 7 Define food borne diseases.
- 8 Define Parasitic infection.
- 9 Define BOD.
- 10 List out the composition of Sewage.

SECTION - B (25 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 5 = 25)

- 11 a Differentiate eukaryotic and prokaryotic cells.
OR
b Describe the reproduction of bacteria.
- 12 a Write a short note on morphological characteristics of mold.
OR
b Explain about the classification of molds.
- 13 a What are the factors that influence spoilage of foods?
OR
b Explain about the chemical changes caused by microorganisms in foods.
- 14 a Write a notes on classification of food borne diseases.
OR
b Define microbial toxin & explain its types.
- 15 a Give an account on sterilization by physical methods.
OR
b Mention the sources of water and give the pathogens present in water.

SECTION - C (30 Marks)

Answer any THREE Questions

ALL Questions Carry EQUAL Marks (3 x 10 = 30)

- 16 Explain about the bacterial growth curve.
- 17 Discuss about the economic importance of yeast in foods.
- 18 Explain about the contamination and spoilage of meat.
- 19 Discuss about the Clostridium.
- 20 Elaborate the bacteriological examination of water for E.coli.