

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION DECEMBER 2018
(Fifth Semester)

Branch - NUTRITION, FOOD SERVICE MANAGEMENT & 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)

- I What are saprophytes?
- 2 Define bacteriophage.
- 3 Classify mold.
- 4 State the habitat of algae.
- 5 Enlist two causes of spoilage.
- 6 Mention any two sources of contamination of milk.
- 7 What is aflatoxin?
- 8 Name the food borne diseases.
- 9 What is most probable number?
- 10 Define sterilization.

SECTION - B (25 Marks)

Answer ALL Questions

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

- II a Bring about the morphological features of virus.
OR
b Draw and discuss the growth curve of bacteria.
- 12 a Bring out the reproductive methods of mold.
OR
b Highlight the economic importance of algae.
- 13 a What are the factors determining microbial spoilage of food?
OR
b Comment on the microbial toxins.
- 14 a Write the types of microbial toxins.
OR
b Give the signs and symptoms of prevention of amoebiasis.
- 15 a How does E-Coli detected in water?
OR
b State the disinfection methods.

SECTION - C (30 Marks)

. Answer any THREE Questions

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

- 16 Discuss the difference between eukaryotes & prokaryotes.
- 17 Explain the following on yeast (i) Physiology and nutrition
(ii) Process of hybridization.
- 18 Highlight on contamination and spoilage of meat.
- 19 Classify and explain food borne diseases.