

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2023
(Fifth Semester)

Branch – NUTRITION, FOOD SERVICE MANAGEMENT & DIETETICS

FOOD MICROBIOLOGY

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

- 1 Which of the following phage infects E.coli?
(i) T1 (ii) T2 (iii) M12 (iv) M13
- 2 The microorganism ferment sugar in to alcohol.
(i) Bacteria (ii) Virus
(iii) Bacteriophage (iv) Yeast
- 3 Ropiness in bread is caused by.
(i) Sacchromyces (ii) Thamnidium
(iii) Bacillus (iv) Clostridium
- 4 Enteric fever is associated with food infection by.
(i) Salmonella (ii) Staphylococcus
(iii) Shigella (iv) Lysteria
- 5 Which of the following organism is determined for water quality?
(i) Sacchromyces (ii) Staphylococcus
(iii) E.coli (iv) T4 Phage

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a Highlight growth curve of bacteria.
OR
b Write a short note on infective hepatitis.
- 7 a State the importance of yeast.
OR
b State the importance of algae.
- 8 a List out the sources of spoilage of milk.
OR
b List out the spoilage of vegetables.
- 9 a List out the symptoms of food poisoning by *Aspergillus*.
OR
b State the physiology of taste.
- 10 a List out the functions of parathyroid gland.
OR
b State the preventive measures of *Trichinosis*.

Cont...

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Discuss the morphology of bacteria.
OR
b Write a short note on causes, symptoms and prevention of polio.
- 12 a Give a short note on the classification of mold.
OR
b Draw the structure of yeast and mark the parts.
- 13 a Explore on the spoilage of milk.
OR
b Explain the spoilage of egg.
- 14 a Discuss the food infection by *Yersinia*.
OR
b Explain the fungal poisoning by *pencillium*.
- 15 a Explain the determination of BOD in sewage.
OR
b Discuss the bacteriological examination of water.

Z-Z-Z

END