

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

Branch - MICROBIOLOGY

MEDICAL MICROBIOLOGY

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

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

- 1 SSSS.
- 2 Pyrogenic exotoxin of streptococci.
- 3 Mycetoma.
- 4 What are called Piedras?
- 5 What are Dane's Particles?
- 6 What is CPE?
- 7 Trophozoite.
- 8 What is a definitive and intermediate host?
- 9 What is a transport media? Give an example.
- 10 Name a preservative used in collection of fecal sample for parasite, and its ratio.

SECTION - B (25 Marks)

Answer ALL Questions

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

- 11 a Give a detailed account on virulence factors of staphylococci and their role in pathogenesis.
OR
b Explain the antigenic properties, pathogenesis and laboratory diagnosis of Salmonella typhi.
- 12 a Give an account on Aspergillosis and Candidiasis.
OR
b Write an account on Cryptococcosis.
- 13 a Describe the pathogenesis and lab diagnosis of Herpes Simplex virus infection.
OR
b Describe the pathogenicity of Hepatitis virus.
- 14 a Discuss the life cycle and pathogenicity of Wuchereria bancrofti.
OR
b Write a detailed account on pathogenicity and diagnosis of Entamoeba histolytica.
- 15 a Discuss the collection and processing of blood specimen for microbiological examination.
OR
b Explain the collection and processing of throat swab cultures.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Describe the pathogenesis and lab diagnosis of pulmonary tuberculosis.
- 17 Describe the pathogenicity and diagnosis of cutaneous mycosis caused by Trichophyton sp.
- 18 Give an elaborate account on the epidemiology, diagnosis, prevention and treatment of AIDS.
- 19 Enumerate the species of Plasmodia causing malaria. Describe the measures for malaria.