

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2023
(Third Semester)

Branch – APPLIED MICROBIOLOGY

MEDICAL BACTERIOLOGY, MYCOLOGY & PARASITOLOGY

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 disease caused by *B.anthraxis*?
(i) Bull neck (ii) malignant pustule
(iii) Impetico (iv) SSSS
- 2 Culture media for *Corynebacterium diphtheria* is
(i) LJ medium (ii) TCBS
(iii) Leoffler's Serum (iv) BSA
- 3 Ringworm in which smooth or non-hairy part is effect
(i) Barber's itch (ii) Athlete's foot
(iii) Favus (iv) Mitis
- 4 The cyst of *E. histolytica* contain
(i) 2 Nuclei (ii) 4 Nuclei
(iii) 5 Nuclei (iv) 8 Nuclei
- 5 Which of the following sample collected from lumbar puncture?
(i) CSF (ii) Morning drop
(iii) Urethral discharge (iv) Stool

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a Write the detail account on Streptococcal sequeles.
OR
b Summarize the pathogenecity of *C.tetani*.
- 7 a Narrate the symptoms of cholera and its treatments.
OR
b Given the details of plaque disease and treatment.
- 8 a List out the different types of mycosis and its example.
OR
b What is candidiasis? Explain their pathogecity and treatment.
- 9 a Draw a neat diagram of Tape worm and its life cycle.
OR
b Outline the life cycle and disease of intestinal flagellates.
- 10 a List out the features of transport media and given 5 examples.
OR
b Explain with bacterial meningitis, diagnosis and treatment.

Cont...

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Elaborate the pathogenicity, diagnosis and treatment Nocardial infections.
OR
b Describe the pathogenicity, diagnosis and treatment of anthrax.
- 12 a Write in detail the clinical symptoms, diagnosis and treatment of Brucellosis.
OR
b Discuss in detail about Camphylobacterl infections.
- 13 a Explain the clinical symptoms and diagnosis of black piedra.
OR
b Summarize the pathogenicity, diagnosis and treatment Histoplasmosis.
- 14 a Give the characteric features of cestodes and its life cycle.
OR
b Describe the pathigenicity of *Wuchereria bancrofti* and treatment.
- 15 a Explain the methods of sample collection, transport, processing of stool specimen for microbial examination.
OR
b Discuss in detail about Antibiotic sensitivity test and their result interpretation.

Z-Z-Z

END