

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)  
BSc DEGREE EXAMINATION MAY 2019  
(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 Dines phenomenon.
- 2 Cholera Red Reaction.
- 3 Penicillosis.
- 4 Cryptola test.
- 5 Prion.
- 6 Negri bodies.
- 7 Quadrinucleated cyst.
- 8 Hydrocele.
- 9 Significant Bactereuria.
- 10 Petroff method.

**SECTION - B (25 Marks)**

Answer ALL Questions

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

- 11 a Write a note on various toxins produced by *S.aureus*.  
OR  
b Write a note on classification of *streptococci* species.
- 12 a Write note on Mycetoma.  
OR  
b Brief on clinical feature of Candidiasis.
- 13 a Write a note on classification of Hepatitis.  
OR  
b Write in prophylactic measures of Rabies.
- 14 a Write a note on lifecycle and pathogenesis in Ancylostoma.  
OR  
b Explain lab diagnosis of *P. vivax*.
- 15 a Explain the processing of urine samples.  
OR  
b Explain the processing of fecal samples.

**SECTION - C (30 Marks)**

Answer any THREE Questions

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

- 16 Explain the morphology, pathogenesis and lab diagnosis of *M. tuberculosis*.
- 17 Explain the classification of medically important fungi.
- 18 Write in detail about morphology, pathogenesis and lab diagnosis of Influenza virus,
- 19 Write a detailed note on Wucherariasis.
- 20 Explain the collection and processing of blood samples. Add a note on significance of Clinical Microbiology.