

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION DECEMBER 2017
(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 Weil Felix test.
- 2 String test.
- 3 *Aspergilloma*.
- 4 *Germ Tube Test*.
- 5 Virion.
- 6 Salk and Sabin.
- 7 Chyluria.
- 8 Charcot layden crystal.
- 9 West Swab.
- 10 Casteneda bottle.

SECTION - B (25 Marks)

Answer **ALL** Questions

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

- 11 a Write a note on various diarrheal infections of *E. Coli*.
OR
b Write a note on various classifications of Vibrio.
- 12 a Write a note on histoplasmosis.
OR
b Brief on Aspergillosis.
- 13 a Write in detail about the structural variations of viruses.
OR
b Classify Herpes Virus.
- 14 a Write a note on life cycle and pathogenesis of *E. histolytica*.
OR
b Explain the life cycle of *P. Vivax*.
- 15 a Explain the collection and processing of CSF.
OR
b Explain the collection and processing throat swabs and sputum specimens.

SECTION - C (30 Marks)

Answer any **THREE** Questions

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

- 16 What is enteric fever? Explain the pathogenesis and lab diagnosis of enteric fever.
- 17 Write a detailed note on dermatophytic infections.
- 18 Write in detail about morphology, pathogenesis and diagnosis of HIV.
- 19 Write a detailed note on Ascariasis.
- 20 What is clinical microbiology? Explain the collection and processing of urine and fecal sample.