

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

Branch - **ZOOLOGY**

MICROBIOLOGY

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks

(10 x 2 = 20)

- 1 What is Tuberculin?
- 2 Define Fimbriae.
- 3 Define Chemostat.
- 4 What do you mean by Botulism?
Define Pour Plate method.
- 6 What is Complex Medium?
- 7 What is Virion?
- 8 Define Transduction.
- 9 How is Diphtheria transmitted?
- 10 How is Cholera transmitted?

SECTION - B (25 Marks)

Answer **ALL** Questions

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

- 11 a **Write an account on nucleoid.**
OR
b ' List out the **contribution of Edward Jenner.**
- 12 a **Write short notes on Endospore formation.**
OR
b **Describe an account on Batch culture.**
- 13 a **Give a detailed account on pourplate method.**
OR
b **Write about preparation of solid culture medium.**
- 14 a **List out the general characteristics of Virus.**
OR
b **Write a brief account on Lytic cycle.**
- 15 a **Write a note on causative organism, mode of infection, symptoms and control of Cholera.**
OR
b **Write about a notes on causative organism, mode of infection, symptoms and control of Typhoid**

SECTION - C (30 Marks)

. Answer any **THREE** Questions

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

- 16 **Compare the structure and chemistry of the ..cell wall of Gram positive and Gram negative bacteria.**
- 17 **Enumerate the measurement of Bacterial growth.**
- 18 **Write an essay on various methods of preservation of Pure culture.**
- 19 **Essay on symmetry in animal & plant viruses.**
- 20 **AIDS — F.vnlain**