

-PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2017
(First Semester)

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Branch - MICROBIOLOGY

FUNDAMENTALS OF MICROBIOLOGY

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10x2 = 20)

- 1 Von Behring.
- 2 Antisepsis.
- 3 Pili.
- 4 Protoplast.
- 5 ' Zoospores.
- 6 Phycoerythrin.
- 7 Chlamydo spores.
- 8 Ascocarp.
- 9 Trophozoite.
- 10 Sporozoans.

SECTION - B (25 Marks)

Answer ALL Questions

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

- 11 a What are Koch's postulates?
OR
b What is the importance of Jenner's discovery?
- 12 a Write short notes on Inclusion bodies.
OR
b Brief on prokaryotic genetic material.
- 13 a List the commercial products derived from algae.
OR
• b How do Algae reproduce? •
- 14 a Write about the vegetative structure of a fungus.
OR
b What factors governs the ecological distribution of fungi?
- 15a Write short notes on reproduction in protozoa.
OR
b Describe the morphology of a typical protozoan.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Elaborate on the history of Microbiology. Add notes on the scope & future of microbiology.
- 17 Differentiate between the cell wall of Gram positive and Gram negative bacteria.
- 18.. Describe the ultrastructure of the algal cell.
- 19 Brief on the characteristics of zygomycetes.
- 20 What are the salient characteristics of phaeophyta & dinoflagellates?