

VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION
August 2019
Second Year

MICROBIOLOGY AND PATHOLOGY

Time: Three hours

Maximum: 100 Marks

Answer Section A and Section B in SEPARATE Answer Book
Answer ALL questions
Draw suitable diagrams wherever necessary

MICROBIOLOGY

(50 Marks)

I. ESSAY: (1 x 20 = 20)

1. Describe in details the pathogenesis, laboratory diagnosis, treatment and prophylaxis of typhoid fever.

II. SHORT NOTES: (4 x 5 = 20)

2. Lab diagnosis of wound infection.
3. BCG vaccine.
4. History of microbiology.
5. Antiseptics

III. SHORT ANSWERS: (5 x 2 = 10)

6. Name the bacteria causing post operative wound infection.
7. Name two contributions of Joseph Lister
8. Koch's postulates.
9. Mantoux test.
10. Name the anaerobic bacteria causing wound infection.

(p.t.o)

PATHOLOGY

(50 Marks)

I. ESSAY:

(1 x 20 = 20)

1. Define edema and pathophysiologic categories of edema? What are the factors affecting fluid balance across capillaries?

II. SHORT NOTES:

(4 x 5 = 20)

2. Define gangrene. Classify and give examples for each.
3. Write difference between regeneration and repairs
4. Discuss the process of thrombus formation.
5. Lab diagnosis of tuberculosis.

III. SHORT ANSWERS:

(5 x 2 = 10)

6. Types of calcification.
7. Classify ischemic heart disease.
8. Lepra cells.
9. Gout.
10. Apoptosis

(Sl.No. M21567)