

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

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION
February 2021
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 the shape , size , arrangement, structure and functions of a bacterial cell with the help of a neat diagram and mention the functions of various appendages.

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

2. Enterotoxigenic E.coli..
3. Lab diagnosis of wound infection.
4. Lab diagnosis of pulmonary tuberculosis.
5. Sensitivity testing for Mycobacterium tuberculosis.

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

6. List the contributions of Louis Pasteur.
7. Name four killed vaccines.
8. What is pseudo membrane in which disease it is seen?
9. Sabin vaccine.
10. List the organism causing genital ulcers.

(p.t.o)

PATHOLOGY

(50 Marks)

I. ESSAY:

(1 x 20 = 20)

1. Define thrombosis. Review the Virchow's triad of thrombus formation. Give example.

II. SHORT NOTES:

(4 x 5 = 20)

2. Define inflammation. Classify and write a note on acute inflammation.
3. Define gangrene. Classify and give examples for each.
4. Write differences between lepromatous and tuberculoid leprosy.
5. Define pneumonia. Classify and list the stages.

III. SHORT ANSWERS :

(5 x 2 = 10)

6. Classify cell injury and give examples.
7. Give examples for congestive cardiac failure.
8. What is Miliary Tuberculosis.
9. Write two differences between hyperplasia and hypertrophy.
10. Osteomyelitis.

(Sl.No: M2088)