

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

**BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION
October 2021
Third Semester**

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 15 = 15)

1. List the causative agent of respiratory tract infection. Discuss the pathogenesis, clinical features lab diagnosis of M. tuberculosis. Add a note on prophylaxis.

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

2. Write a brief note on Bacterial vaccines.
3. Write a brief note on Hospital acquired urinary tract infection.
4. Write a brief note on Pulse polio immunization.
5. Write a brief note on History of microbiology.

III. SHORT ANSWERS : (5 x 3 = 15)

6. List any two contributions of Joseph Lister.
7. List the Types of infectious diseases.
8. Define immune complex disease with two examples.
9. List the bacteria causing wound infection.
10. List the organism causing genital ulcers.

PATHOLOGY

(50 Marks)

I. ESSAY:

(1 x 15 = 15)

1. List the risk factors of ischemic heart disease. Discuss the pathogenesis, morphology and consequences of atherosclerotic disease.

II. SHORT NOTES:

(4 x 5 = 20)

2. Define inflammation, classify and write a brief note on acute inflammation.
3. Differentiate benign and malignant tumors.
4. Differentiate lepromatous and tuberculoid leprosy.
5. Describe the etiopathogenesis of atherosclerosis.
6. Write a brief note on Osteomalacia.

III. SHORT ANSWERS :

(5 x 3 = 15)

7. Define atrophy and Give example
8. Define Miliary Tuberculosis.
9. Define Granulation tissue.
10. Define neoplasia.
11. Define Apoptosis.

(Sl.No: M21257)