

Reg. No:

**Second Year Bachelor of Occupational Therapy
Regular/Supplementary Examinations October 2024**

Introduction to Pathology and Microbiology

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

QP CODE: 201022

Section A: Pathology

Max. Marks: 50

Essay

(20)

1. Define Metastasis. What are the routes of metastasis. Describe pathogenesis of metastatic cascade.

Short Notes

(4x5=20)

2. Emphysema
3. Rheumatic heart disease
4. Pathogenesis and morphology of thrombosis
5. Classification of Hemolytic anemias

Short Answers

(5X2=10)

6. Typhoid fever
7. Psoriasis
8. Septic arthritis
9. Atrial septal defects
10. Granulomatous inflammation

QP CODE: 202022

Section B: Microbiology

Max. Marks: 50

Essay

(20)

1. Define disinfection and sterilization. Enumerate methods of moist heat sterilization.
Describe the principle, uses and sterilization controls of an autoclave used in a hospital setting.

(2+5+13)

Short Notes

(4x5=20)

2. Pathogenesis of poliomyelitis
3. Differences between Hepatitis A virus and Hepatitis B virus
4. Hospital acquired infections
5. Modes of transmission of infection with examples

Short Answers

(5X2=10)

6. Name two bacteria causing anaerobic infections
7. Define Artificial passive immunity with one example.
8. Contributions of Robert Koch in Microbiology
9. Bacterial capsule
10. Specimen collection in pulmonary tuberculosis
