

Reg. No:

**Second Year B.Sc Perfusion Technology Degree Supplementary Examinations
August 2024**

**Applied Pathology & Applied Microbiology
(2016 Scheme)**

Time: 3 Hrs

Max. 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
- Write Section A and Section B in separate answer books. Do not mix up questions from Section A and Section B

Q P Code: 211016

Section A – Applied Pathology

Marks: 50

Essays:

(2x10=20)

1. Define and classify Ischaemic heart disease. Write briefly on its pathophysiology and complications.
2. Classify Bleeding disorders. Write briefly about the pathology and laboratory tests used for its diagnosis.

Short notes:

(4x5=20)

3. Write briefly on acute leukemia.
4. Discuss briefly on the causes and diagnosis of pleural effusion.
5. Describe the types of cardiomyopathy and their clinical significance.
6. Write briefly on obstructive uropathy.

Answer briefly:

(5x2=10)

7. Name two causes of leukocytosis.
8. Name two types of hemolytic anaemia with examples.
9. List two types of pneumoconiosis.
10. Write two complications of artificial heart valves.
11. List two risk factors of Atherosclerosis.

Q P Code: 212016

Section B – Applied Microbiology

Marks: 50

Essays:

(2x10=20)

1. Describe cleaning, preparation, packing and autoclaving of surgical instruments in Central Sterile Supply Department (CSSD).
2. Describe in detail the components of standard precautions for prevention of health care associated infections.

Short notes:

(4x5=20)

3. Methicillin Resistant Staphylococcus Aureus
4. Pulmonary tuberculosis
5. Antimicrobial resistance
6. Biomedical waste management

Answer briefly:

(5x2=10)

7. Hemophilus influenzae
8. Name four sporicidal disinfectants
9. Disinfection of blood spills
10. Infections transmitted through blood transfusion
11. Plasma sterilization
