

Reg. No:

**Second Year B.Sc Perfusion Technology Degree Regular/Supplementary
Examinations January 2021
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 chronic obstructive pulmonary diseases. Discuss the complications of each type.
2. Define and classify leukemia. What are the differences between leukemia and leukemoid reactions.

Short notes:

(4x5=20)

3. Risk factors for atherosclerosis
4. End stage renal disease and the role of dialysis in it.
5. Types and significance of cardiomyopathies
6. Laboratory diagnosis of bleeding disorders

Answer briefly:

(5x2=10)

7. What is polycythemia
8. What causes pulmonary edema
9. What is acute glomerulonephritis
10. What are the complications of artificial heart valves
11. Name two cyanotic congenital heart diseases

Q P Code: 212016

Section B – Applied Microbiology

Marks: 50

Essays:

(2x10=20)

1. Define sterilization and disinfection. Classify methods of sterilization by heat. Describe briefly the functions of an autoclave and its application in the operation theaters
2. List the major hospital acquired infections. Discuss the laboratory diagnosis of any one of them and the prophylactic methods adopted.

Short notes:

(4x5=20)

3. Blood borne transmitted viruses.
4. Universal precautions
5. Post exposure prophylaxis
6. High level disinfectants

Answer briefly:

(5x2=10)

7. Vaccines used to protect health care workers
8. Cold sterilization
9. Formaldehyde
10. Air sampling
11. Staphylococcus aureus
