

Reg. No:

**Second Year B.Sc Perfusion Technology Degree Regular/Supplementary
Examinations December 2025**

**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 chronic obstructive airway diseases. Discuss briefly about its types, pathology and complications of each type.
2. Classify aneurysms. Write briefly about its pathology and complications.

Short notes:

(4x5=20)

3. Define end stage renal disease. Discuss about its causes and pathology.
4. Write briefly on the pathogenesis and complications of hypertension.
5. Discuss about the morphological types and lab diagnosis of anaemia.
6. Write briefly on idiopathic thrombocytopenic purpura.

Answer briefly:

(5x2=10)

7. Name two non-cyanotic congenital heart disease.
8. List two causes of pericardial effusion.
9. Name two complications of ischaemic heart disease.
10. Write briefly on the histology of atheroma.
11. List two causes of acute renal failure.

Q P Code: 212016

Section B – Applied Microbiology

Marks: 50

Essays:

(2x10=20)

1. Define sterilization. Classify methods of sterilization by heat. Describe the principle and functioning of autoclave. Add a note on its applications.
2. Enumerate major health care associated infections. Discuss in detail about any one of them.

Short notes:

(4x5=20)

3. Hand hygiene.
4. Gaseous disinfectants.
5. Post exposure prophylaxis.
6. Central Sterile Supply Department (CSSD).

Answer briefly:

(5x2=10)

7. Biosafety cabinets.
8. Air sampling.
9. Name four bacteria causing catheter related urinary tract infections.
10. Injection safety precautions.
11. Blood borne pathogens.
