

Reg. No:

Second Year B.Sc Perfusion Technology Degree Examinations, September 2014

Applied Pathology & Applied Microbiology

Time: 3 Hrs

Max. Marks:100

- Answer all questions
- Draw diagram wherever necessary
- Write section A and section B in separate answer books(32 Pages). Do not mix up questions from section A and section B.

Q P Code: 201016

Section A – Applied Pathology

Marks: 50

Essays:

(2x10=20)

1. Define and classify chronic obstructive airway disease (COPD) and discuss the pathology and complications of each type of COPD.
2. Define atherosclerosis. Discuss the pathogenesis and morphology of atherosclerosis.

Short notes:

(4x5=20)

3. Pericardial effusion
4. Agranulocytosis
5. Polycythemia
6. Aortic aneurysm

Answer briefly:

(5x2=10)

7. Risk factors for hypertension
8. Atrial septal defect
9. Microcytic hypochromic anemia
10. Pulmonary edema
11. Pathology of mitral stenosis.

Q P Code: 202016

Section B – Applied Microbiology

Marks: 50

Essays:

(2x10=20)

1. Discuss the occupation acquired infections in health care workers.
2. Discuss sterilization in detail

Short notes:

(4x5=20)

3. Staphylococcus aureus
4. Hepatitis B
5. Agar plating
6. Instrument cleaning

Answer briefly:

(5x2=10)

7. Active immunization
8. Sterility testing
9. Glutaraldehyde
10. Normal flora of the genitourinary tract
11. Coliform count.
