

Reg. No:

Second Year B.Sc Perfusion Technology Degree Examinations, September 2015

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. Discuss the pathophysiology of heart failure
2. Discuss the pathology of important congenital heart diseases.

Short notes:

(4x5=20)

3. Pneumoconiosis
4. Hemolytic anemia
5. Mitral regurgitation
6. Pathophysiology of emphysema

Answer briefly:

(5x2=10)

7. Risk factors for atherosclerosis
8. Classification of aneurysms
9. Pleural effusion
10. Leukemia
11. Hemophilia A

Q P Code: 202016

Section B – Applied Microbiology

Marks: 50

Essays:

(2x10=20)

1. Discuss the sterilization in detail
2. Discuss the biomedical waste management in detail

Short notes:

(4x5=20)

3. Methicillin resistant staphylococcus aureus.
4. Mycobacterium tuberculosis.
5. Antibiotic resistance
6. Intravenous catheter related blood stream infection.

Answer briefly:

(5x2=10)

7. Passive immunization.
8. Disinfection of blood spills
9. Microbiological surveillance
10. Ventilator associated pneumonia
11. Liquid media
