

Reg. No:

Second Year B.Sc Perfusion Technology Degree Examinations, September 2016

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. What are bleeding disorders. Mention four common bleeding disorders. Discuss the lab diagnosis of anyone bleeding disorder.
2. What is myocardial infarction. Discuss briefly the pathophysiology. Mention four complications.

Short notes:

(4x5=20)

3. Hemolytic anemia
4. Congenital heart diseases
5. Chronic leukemia
6. Obstructive uropathy

Answer briefly:

(5x2=10)

7. Types of cardiomyopathy
8. Complications of mitral stenosis
9. Aortic aneurysm
10. Polycythemia vera
11. Agranulocytosis

Q P Code: 202016

Section B – Applied Microbiology

Marks: 50

Essays:

(2x10=20)

1. What are hospital acquired infections. Briefly discuss the preventive measures to be adopted to reduce the incidence of the common hospital acquired infections.
2. Describe the cleaning, preparation, packing and autoclaving of surgical instruments in CSSD.

Short notes:

(4x5=20)

3. Gas sterilization
4. Antimicrobial resistance
5. Infections transmitted through blood transfusion
6. Agar plating

Answer briefly:

(5x2=10)

7. Four antiseptics used in skin disinfection.
8. Personal prophylactic equipments.
9. Coliform count.
10. Glutaraldehyde.
11. Sporicidal agents.
