

**Second Year B.Sc Perfusion Technology Degree Regular/ Supplementary
Examinations August 2019**

Applied Pathology & Applied Microbiology

(2016 Scheme)

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: 211016

Section A – Applied Pathology

Marks: 50

Essays:

(2x10=20)

1. Define chronic obstructive pulmonary disease. Enumerate the types of COPD. Discuss the pathology of any one type of COPD.
2. Enumerate the types of anemia. What is hypochromic microcytic anemia. Describe briefly the conditions causing hypochromic microcytic anemia.

Short notes:

(4x5=20)

3. Chronic myeloid leukemia
4. Myocardial infarction
5. Asbestosis
6. Acute pyelonephritis

Answer briefly:

(5x2=10)

7. Neutrophilia
8. Hemophilia
9. Pleural effusion
10. Artificial heart valves
11. Patent ductus arteriosus (PDA)

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Section B – Applied Microbiology

Marks: 50

Essays:

(2x10=20)

1. Enumerate the infections transmitted through blood. Describe in detail the laboratory diagnosis and prevention of any one of them.
2. Classify sterilization methods. Describe in detail the functioning of autoclave.

Short notes:

(4x5=20)

3. MRSA
4. Cleaning and sterilization of heart lung machine
5. Ventilator associated pneumonia
6. Plasma sterilization

Answer briefly:

(5x2=10)

7. Name four virucidal disinfectants
8. Name four critical instruments
9. Ebola virus
10. Name four faeco-oral route transmitted diseases
11. Streptococcus pneumoniae