

**B.Sc. CARDIO PULMONARY PERFUSION CARE TECHNOLOGY**

**SECOND YEAR**

**PAPER I – PHARMACOLOGY, PATHOLOGY AND CLINICAL  
MICROBIOLOGY**

*Q.P. Code: 801411*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Write in detail about nephrotic syndrome with emphasis on its pathogenesis and complications.
2. Write about the importance of arterial blood gas analysis with a note on its disturbances and corrections.
3. Define and classify sterilization and write in detail about chemical sterilization.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Emphysema.
2. Insulin.
3. Decontamination.
4. Respiratory tract infections.
5. Low molecular weight heparin.
6. Atherosclerosis.
7. Potassium sparing diuretics.
8. Patent ductus arteriosus.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Antihistaminics.
2. Pericarditis.
3. Precipitation reaction.
4. Phagocytosis.
5. Calcium channel blocker.
6. Mechanism of drug resistance.
7. Bacterial endocarditis.
8. Opsonin.
9. HBV.
10. Cold sterilization.

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