

[LH 0815]

AUGUST 2015

Sub. Code:1411

**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. Define and classify sterilization, describe the various methods of sterilization.
2. Define and classify pneumonia, enumerate in detail the pathophysiology, complications of pneumonia.
3. Define diabetes mellitus, explain the types, etiology and management of DM with mode of action, advantages and disadvantages.

**II. Write notes on:**

**(8 x 5 = 40)**

1. List the virus that will be transmitted by blood transfusion.
2. Gastro intestinal tract infections.
3. Explain about stains.
4. Acute renal failure.
5. Rheumatic heart diseases.
6. Pathology of myocardial infarction.
7. Beta blockers and its mode of action, uses and side effects.
8. Define and classify diuretics with mode of action, uses.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Nosocomial infections.
2. Autoimmune diseases.
3. Precipitation reaction.
4. Pulmonary hypertension.
5. Pyelonephritis.
6. Bacterial endocarditis.
7. Name the drugs used in thyroid disorders.
8. Acidosis.
9. Sodium channel blocker.
10. Antihistamine drugs.

\*\*\*\*\*