

[LG 0215]

FEBRUARY 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. Classify beta blockers. Write the pharmacological actions, therapeutic uses, adverse effects, contraindications and drug interactions of beta blockers.
2. Enumerate the methods of sterilization by dry heat. Discuss the functioning of a hot air oven.
3. Discuss pathogenesis and morphology of rheumatic heart disease.

II. Write notes on:

(8 x 5 = 40)

1. Four features and complications of tetralogy of Fallot.
2. Emphysema- Definition, types and etiology.
3. Types of Urinary tract infection and predisposing factors.
4. Clinical features of HIV infection.
5. Parenteral Iron therapy.
6. Mechanism of action of oral hypoglycemic drugs.
7. Classify drugs used in bronchial asthma.
8. Describe the measures to control infections in health care settings.

III. Short answers on:

(10 x 3 = 30)

1. List the causes of acute renal failure.
2. Name renal function test.
3. Iodine is contraindicated in children.
4. Osmotic diuretics.
5. Therapeutic uses of alpha blockers.
6. Phagocytosis.
7. Agglutination.
8. Transferable drug resistance.
9. Coagulase test.
10. What is negative staining? Give examples for negative stains.
