

**B.Sc. OPERATION THEATRE AND ANAESTHESIA TECHNOLOGY
SECOND YEAR**

PAPER I – APPLIED PHARMACOLOGY AND MICROBIOLOGY

Q.P. Code: 801111

Time : Three Hours

Maximum : 100 Marks

Answer All Questions.

I. Elaborate on:

(3 x 10 = 30)

1. Give classification of Narcotics. Describe the mechanism of action, side effects and therapeutic uses in brief.
2. Define Sterilization. Add notes on Dry heat sterilization its types with examples.
3. Define wound infection. Describe the types, mode of transmission, Prevention, Control measures and treatment.

II. Write notes on:

(8 x 5 = 40)

1. Uses of Furosemide.
2. Various preparation of Insulin.
3. Antihypertensives used in pregnancy.
4. Toxicity of Atropine.
5. Blood stream infection.
6. Typhoid fever.
7. Hepatitis C virus.
8. Hypersensitivity I and II.

III. Short Answers on:

(10 x 3 = 30)

1. Uses of penicillin and cephalosporins.
2. Mechanism of calcium channel blockers.
3. Various uses of β blockers.
4. Disadvantages of using ketamine.
5. Emergency use of Intramuscular (IM) adrenaline.
6. Symptoms of HIV-AIDS.
7. Respiratory tract infections.
8. Hot air oven.
9. Hypersensitivity III.
10. Define Filtration and its three types.
