

**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. Classify sedatives and hypnotics. Explain the mechanism of action, uses and side effects of Diazepam.
2. Discuss the mode of administration, dilution, dosage, effects, uses and side effects of Adrenaline.
3. Define sterilization. Describe about chemical and gaseous methods of sterilization

II. Write notes on:

(8 x 5 = 40)

1. Mannitol.
2. Isoprenaline.
3. Amiodarone.
4. Neostigmine- action and therapeutic uses.
5. Chlorpromazine.
6. Ranitidine.
7. Opioid antagonists.
8. Moist heat.

III. Short Answers on:

(10 x 3 = 30)

1. Succinyl choline Apnoea.
2. Dexamethasone as antiemetic.
3. Name two antihistamines and mention their uses.
4. EMLA.
5. Insulin glargine.
6. Dry heat.
7. Name the organisms causing Respiratory tract infection.
8. Catheter associated infection.
9. Name two respiratory stimulants and mention their uses.
10. Uses of Indomethacin.
