

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, therapeutic uses and adverse effects.
2. Classification of bronchodilators and add a short note on theophylline .
3. Detail account on Dry heat sterilization methods.

II. Write notes on:

(8 x 5 = 40)

1. Preparation and therapeutic uses of Xylocaine and Etidocaine.
2. Antihypertensives.
3. Bronchial asthma and its treatment.
4. Pharmacology of morphine and pethidine.
5. Any one blood stream infection in detail.
6. Bacteria and hospital acquired infections.
7. Salmonella typhi and paratyphi.
8. Principle and uses of gram staining.

III. Short Answers on:

(10 x 3 = 30)

1. Insulin and its adverse reaction.
2. Ondansetron.
3. Mechanism of calcium channel blockers.
4. Adverse reactions of any 2 diuretics.
5. Therapeutic uses of diazepam.
6. Types of filters.
7. Transmission of HIV.
8. Decontamination.
9. Pasteurization.
10. Hepatitis vaccination.
