

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. Define and describe the properties of an Ideal Disinfectant. Enumerate the various Disinfecting agents and their applications.
2. Classify NSAID's. Write the mechanism of action and pharmacological action of salicylates. Therapeutic uses and adverse effects of salicylates.
3. Classify drugs used in peptic ulcer. Discuss the mechanism of action, uses and adverse effects of proton pump inhibitors.

II. Write notes on:

(8 x 5 = 40)

1. Nosocomial infections.
2. Benzo diazepines.
3. Pre-anesthetic medication.
4. Malignant Neuroleptic Syndrome.
5. COX-2 inhibitors.
6. Group B streptococci.
7. Propofol as an inducing agents.
8. Opportunistic fungal infections.

III. Short Answers on:

(10 x 3 = 30)

1. Mention four contraindication for morphine.
2. Name four peripherally acting skeletal muscle relaxants.
3. Potassium sparing diuretics.
4. What is fixed dose combination? Give two examples.
5. What are antitussives? Give two examples.
6. Drugs used in anaphylactic shock.
7. Mention two therapeutic uses of lignocaine.
8. Define agglutination and precipitation.
9. Write four general toxicities of cytotoxic drugs.
10. Mantoux test.
