

**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 a detailed account of gaseous sterilization.
2. Name a few commonly occurring fungal infection and antifungal agents. Elaborate on any one of the antifungal agent.
3. Classify narcotics. Write in detail about the mechanism of action, uses and adverse reactions of any one of them.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Pharmacokinetics of morphine and pethidine.
2. Diuretics.
3. NSAIDs – mechanism of action.
4. Salmonella typhi.
5. Zheil Neilson staining.
6. Decontamination.
7. Universal personal precautions.
8. Urinary tract infection.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Bronchodilators-name five of them.
2. HIV associated opportunistic infection.
3. Action of Diazepam.
4. Streptococcal infection.
5. Succinyl choline.
6. Uses of indomethacin.
7. Lower respiratory tract infection - causes.
8. Muscle relaxants.
9. Antiemetics.
10. Control of wound infections.