

**Pharmacology**  
**Q.P. Code : 1762**

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Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary  
**(Note : Both QP Codes 1762 and 1763 are to be answered within total duration of 3 hours)**

**LONG ESSAYS (Answer any one)**

1 x 10 = 10 Marks

1. Enumerate various routes of drug administration with suitable examples. Discuss the merits and demerits of INTRAVENOUS route.
2. Classify OPIOID ANALGESICS. Discuss the therapeutic uses, adverse effects and contraindications of MORPHINE.

**SHORT ESSAYS (Answer any four)**

4 x 5 = 20 Marks

3. Name four anticholinesterases and its therapeutic uses.
4. Pre anaesthetic medication.
5. Uses and adverse effects of INSULIN.
6. Antiemetics.
7. Anticoagulants.

**SHORT ANSWERS**

4 x 2 = 08 Marks

~~Mention one therapeutic use (clinical condition) & one important adverse effect of the following~~

8. Define an "ANTISEPTIC"; Give two examples.
9. Name four RESERVE antitubercular drugs.
10. Name four Viral Vaccines.
11. Name four drugs useful in Hypertensive Emergencies.

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**Pathology & Genetics**  
**Q.P. Code : 1763**

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**(Note : Both QP Codes 1762 and 1763 are to be answered within total duration of 3 hours)**

**LONG ESSAYS (Answer any one)**

1 x 10 = 10 Marks

1. Define Thrombosis. Explain its causes and mechanism of formation of intravascular thrombus
2. How do the tumours spread in the body? Explain the differences between benign and malignant neoplasms

**SHORT ESSAYS (Answer any three)**

3 x 5 = 15 Marks

3. Describe wound healing
4. Explain etiopathology of renal calculi
5. Describe Lung abscess
6. How will you collect urine for routine examination culture, biological tests?

**GENETICS (12 Marks)**

**SHORT ANSWERS**

6 x 2 = 12 Marks

7. Mention any four structural chromosomal aberrations
8. List out any four causes of congenital anomalies
9. Types of neural tube defects
10. Define Mutation
11. Define Eugenics
12. Mention four ethical issues in the role of nurse in genetic counseling

