

**PARUL INSTITUTE OF NURSING
PARUL UNIVERSITY
FIRST TERM TEST**

Program and Placement : B.Sc. Nursing Second Year
Subject : Pathology, Pharmacology and Genetics
Date: 18/12/2017 **Time: 3.45 Pm To 4.45 Pm**

Total Marks: 25

Instructions: All the questions are compulsory to attain.

Q- 1 Mention various routes of drug administration. Write advantages & disadvantages of parenteral routes of administration. **(1x9=9)**

OR

Q-1 Classify Nonsteroidal Anti Inflammatory drugs (NSAIDs). Describe mechanism of action, adverse effects & therapeutic uses of Aspirin. **(1x9=9)**

Q-2 Describe in brief (Any Three) **(3x2=6)**

1. Plasma half life of drugs ($t_{1/2}$)
2. 1st order kinetics & 0th order kinetics
3. 'Teratogenicity'. Give 2 drug examples producing Teratogenic effect
4. Four adverse effects & four therapeutic use of Morphine

Q-3 Write short notes on (Any Two) **(2x5=10)**

1. Drug antagonism
2. Bioavailability of drugs
3. **Advantages & disadvantages of Inhalation general Anaesthetics**