

**Q.P. CODE: 203010****Reg. No:****Second Year B.Sc Nursing Degree Supplementary Examinations
April 2019****Pharmacology****(2010 Scheme)****Time: 3 Hrs****Max. Marks: 75**

- Answer all questions
- Draw diagram wherever necessary

Essays**(25)**

1. Classify antianginal drugs with two examples each. Explain the mechanism of action, uses and adverse effects of nitrates. (5+4+4+4)
2. Enumerate fluoroquinolones. Explain the mechanism of action, uses and adverse effects of ciprofloxacin. (2+2+2+2)

Short notes on the following giving emphasis on nursing implications**(5x5=25)**

3. Rifampicin
4. Morphine
5. Metronidazole
6. Insulin
7. Uses and adverse effects of atropine and its substitutes

Dosage calculation**(5)**

8. Physician orders nitroglycerin 50mg in 250 ml 5% dextrose, run at 20micrograms/minute. How many ml/hour, should the infusion pump be set to deliver 20micrograms/minute.

Differentiate between**(4x3=12)**

9. Heparin and warfarin
10. Propranolol and metoprolol
11. Enalapril and losartan
12. Physostigmine and neostigmine

Define the following**(4x2=8)**

13. Teratogenicity
14. Therapeutic index
15. Prodrug
16. Bioavailability

