

**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

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