

**2010 Scheme**

**Q.P. CODE: 203010**

**Reg. No: .....**

**Second Year B.Sc Nursing Degree Supplementary Examinations**

**April (November), 2020**

**Pharmacology**

**Time: 3 Hrs**

**Max. Marks: 75**

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers
- Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers.
- Draw diagram wherever necessary

**Essays**

**(25)**

1. Classify anticoagulants with suitable examples. Write the mechanism of action, uses, adverse effects and contraindications of heparin sodium (4+4+3+3+3)
2. Classify oral hypoglycaemic drugs with two examples each. Explain the mechanism of action and adverse effects of sulfonylurea group of drugs. (4+2+2)

**Short notes on the following giving emphasis on nursing implications**

**(5x5=25)**

3. Digoxin
4. Management of organophosphate poisoning
5. Oral contraceptive pills
6. Artemisinin
7. Prednisolone

**Dosage calculation**

**(5)**

8. Physician orders, 500 ml of 5% dextrose to be infused by intra venous route over a period of 12 hours. The drop factor is 15. Calculate the number of drops per minute to be infused

**Differentiate between**

**(4x3=12)**

9. Aspirin and paracetamol
10. Phenobarbitone and diazepam
11. Oral and I/V route of administration
12. Morphine and pethidine

**Define the following**

**(4x2=8)**

13. Drug antagonism
14. Biotransformation
15. Post antibiotic effect
16. Pharmacogenetics