

QP Code: 213010

Reg. No:.....

**Second Year B.Sc Nursing Degree Supplementary Examinations  
January 2024  
Pharmacology**

**(2016 Scheme)**

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

**Long Essay:** (12)

1. Classify antianginal drugs with suitable examples. Write the mechanism of action, uses, adverse effects of nitrates. Describe briefly on calcium channel blockers (4+2+2+2+2)

**Short Essays:** (2x7=14)

2. Classify nonsteroidal anti-inflammatory drugs, with two examples each and explain the mechanism of action, uses and adverse effects of aspirin (4+3)
3. Name four tetracyclines. Write their mechanism of action, uses and adverse effects. (2+5)

**Short Notes:** (5x5=25)

4. Pre-anaesthetic medications
5. Antihistamines
6. Proton pump inhibitors
7. Heparin sodium
8. Isoniazid (INH)

**Differentiate between:** (2x4=8)

9. Morphine and Pethidine
10. Oxytocin and Ergometrine

**List down the following:** (2x4=8)

11. Insulin analogues
12. Uses and contraindications of atropine and its substitutes

**Answer Briefly:** (2x4=8)

13. Uses of mannitol and why is it contraindicated in congestive cardiac failure.
14. Doctor ordered to mix 200 mg of dopamine in 500ml of 5% dextrose and infuse at the rate of 400 mcg/min. What is the required flow rate and drip rate. The drop factor for the set is 16/ml.

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