

**Q.P. CODE: 203010**

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

**Second Year B.Sc Nursing Degree Supplementary Examinations, July 2014**

**Pharmacology**

**Time: 3 Hrs**

**Max. Marks: 75**

- Answer all questions
- Draw diagram wherever necessary

**Essays**

**(25)**

1. Classify oral hypoglycaemic drugs. Explain the mechanism of action and adverse effects of sulfonylureas. What instructions will you give to a patient regarding the drug treatment of diabetes mellitus. (4+6+5=15)
2. Name four drugs belonging to different groups used for the treatment of bronchial asthma. Mention two specific adverse effects of inhalational gluco-corticoids. What advice will you give to a patient regarding the drug treatment of bronchial asthma. (2+3+5=10)

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

**(5x5=25)**

3. Digoxin
4. Mood stabilizers
5. Penicillin G
6. Proton pump inhibitors
7. Beta blockers

**Dosage calculation**

**(5)**

8. Thiopentone sodium 2.5% needs to be given to a woman weighing 50 kg. Dose to be given is 5mg/kg body weight. What is the required volume of drug for injection.

**Differentiate between**

**(4x3=12)**

9. Heparin and warfarin
10. Chemical name and generic name
11. Bioavailability and biotransformation
12. Intra venous and intra muscular routes of administration

**Define the following**

**(4x2=8)**

13. Alkaloid
14. Pro drug
15. Inotropic drugs
16. Tocolytics

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