

# **2012 Scheme**

**QP CODE: 313006**

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

## **Third Year B.Pharm Degree Supplementary Examinations January 2022**

### **Pharmacology – I**

**Time: 3 Hours**

**Total Marks: 100**

- *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 table/diagrams/flow charts wherever necessary*

**Essays**

**(3x10=30)**

1. Explain bioavailability. Explain different membrane transport mechanism and add a note on factor influencing bioavailability.
2. Enumerate and explain various factors modifying drug actions.
3. Classify antiarrhythmic drugs with suitable examples and write the pharmacology of any one antiarrhythmic drug.

**Short notes**

**(14x5=70)**

4. Classify various drug interactions with suitable examples.
5. Explain drug dependence. Explain with suitable examples.
6. Explain the pharmacology of atropine sulphate.
7. Pharmacotherapy of hypertension.
8. Name any two drugs used for the treatment of glaucoma and give their mode of action.
9. Explain the pharmacology of angiotensin converting enzyme inhibitor.
10. Name any two expectorants and give their mode of action and uses.
11. Explain the actions of anterior pituitary hormones.
12. Pharmacotherapy of asthma.
13. Name any five drugs contraindicated in elderly people.
14. With a neat labeled diagram explain neurohumoral transmission.
15. List the drugs used for the treatment of angina pectoris and give mechanism of any two drugs.
16. Explain therapeutic index. How it will be calculated and give its significance.
17. Explain the clinical significance of plasma protein binding

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