

B. Pharm. Fourth Semester
35159 : Pharmacology - I : T-4.5

P. Pages : 1

Time : Three Hours



AU - 0674

Max. Marks : 60

- Notes : 1. All question carry equal marks.
 2. Answer five questions.

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| 1. | Define and classify receptor Discuss in detail its theories. Add a note on G. Protein couple receptor. | 12 |
| 2. | Define and classify bioassay Describe the various types of bioassay along with its application. Enlist the various official bioassay as per IP. | 12 |
| 3. | a) Define bioavailability? Describe various factors affecting the bioavailability of drugs. | 6 |
| | b) Discuss methods to determine bioavailability. | 6 |
| 4. | Write the structure and function of biological membrane. Explain physicochemical factors involved in transfer of drugs across the biological membrane. | 12 |
| 5. | Explain biosynthesis, Storage and release of catecholamine Add a note on pharmacology of adrenaline. | 12 |
| 6. | a) Explain in detail sources and nature of drugs. | 6 |
| | b) Explain principles and mechanism of drug action. | 6 |
| 7. | Write a note on any two. | 12 |
| | a) Teratogenicity. | |
| | b) Therapeutic index. | |
| | c) Idiosyncrasy. | |
