

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

End Semester Examination –Summer 2023

Date: 17/07/2023

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|---------------------|-------------------------|-------------------------|
| Course | : B. Pharmacy | Sem: IV |
| Subject Name | : Pharmacology I | Subject Code : |
| | | BP404T |
| Max Marks | : 75 | Duration : 3 Hr. |

Instructions:

- 1. All questions are compulsory**
- 2. Draw diagrams / figures wherever necessary**
- 3. Figures to right indicate full marks**

Q. 1. Objective Type Questions (Answer all the questions) (10 x 2 = 20)

- Explain the term **Therapeutic Index** .
- What is meant by :
 - Pharmacokinetics
 - Pharmacodynamics
- Write different cholinergic receptors with their location and function.
- Mention any two examples of drugs used in
 - Parkinsonism
 - Alzheimer
- Write uses of Atropine sulphate.
- What are preanaesthetics? Write examples of drugs used as preanaesthetics.
- Define with examples :
 - Antipsychotics
 - Antianxiety agents
- Write any two examples of drugs used as :
 - Skeletal muscle relaxants
 - Nootropics
- What is Pharmacovigilance and Enzyme Induction?
- Write different sources of drugs with examples.

Q. 2. Long Answers (Answer 2 out of 3) (2 x 10 = 20)

- State various routes of drug administration with examples.
Write down advantages and disadvantages of
 - Sublingual route
 - Oral route
- Define and classify sedative hypnotics with examples.
Explain mechanism of action of Benzodiazepines.
- Explain in detail factors affecting action of drug.

Q. 3. Short Answers (Answer 7 out of 9)

(7 x 5) = 35

- i)** Define Antidepressants. Write short note on SSRIs.
- ii)** Write drug therapy for Glaucoma.
- iii)** Define local anaesthetics. Explain their mechanism of action.
- iv)** Write short note on clinical trial.
- v)** What are different types of receptors. Explain any one.
- vi)** Explain synthesis, storage, metabolism and release of Acetylcholine.
- vii)** Write uses of Morphine.
- viii)** Write short note on Antagonism.
- ix)** Write uses of α blockers.

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