

14/1409

Roll No.

Total No. of Questions : 10]

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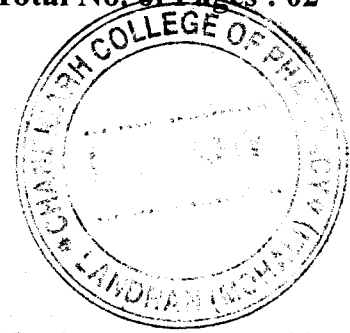
B.PHARMACY (Sem.-5th)

PHARMACOLOGY - I

SUBJECT CODE : PHM - 3.5.3

Paper ID : [D0124]

[Note : Please fill subject code and paper ID on OMR]



Time : 03 Hours

Maximum Marks : 80

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Four** questions from Section - B.
- 3) Attempt any **Three** questions from Section - C.

Section - A

Q1)

(15 × 2 = 30)

- a) Define antagonist.
- b) What is therapeutic index?
- c) How bioavailability is calculated?
- d) What is status epilepticus?
- e) What are orphan drugs?
- f) Define anorectics and give examples.
- g) Classify adrenergic receptors.
- h) Explain disulfiram reaction.
- i) Explain the mechanism of action of local anaesthetics.
- j) Name the antidote used in organo phosphorus poisoning.
- k) Discuss the mechanism of action of morphine.
- l) Elaborate the terms MAO and COMT.
- m) Why peripheral decarboxylase inhibitors are administered in parkinsons disease.
- n) What is psychosis.
- o) Discuss the mechanism of action of barbiturates.

Section - B

(4 × 5 = 20)

- Q2)** Describe the different stages of general anaesthetics.
- Q3)** Write note on tolerance and drug dependence.
- Q4)** What is bioassay? Discuss its various types.
- Q5)** Explain the muscrinic and nicotinic actions of acetylcholine.
- Q6)** Explain biotransformation of drugs.

Section - C

(3 × 10 = 30)

- Q7)** Discuss the mechanism of action, pharmacological actions and therapeutic uses of NSAIDS.
- Q8)** Discuss the drug - drug interactions related with the stimulation of metabolism.
- Q9)** Write a note on pharmacogenetics.
- Q10)** Explain antiparkinson's agents.

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