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Total No. of Pages : 02

Total No. of Questions : 06

M. Pharmacy (Sem.-1)

**DRUG EVALUATION AND ADVANCED PHARMACOLOGY
TECHNIQUES**

Subject Code : PHCOL-135

M.Code : 70681

Time : 3 Hrs.

Max. Marks : 80

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of SIX questions.
2. Each question carry SIXTEEN marks.

1. Write a note on :

- | | |
|--|---|
| a) Pylorus ligation induced ulcer. | 4 |
| b) Ketamine induced model of schizophrenia | 4 |
| c) Any one animal model of Alzheimer's disease | 4 |
| d) Maximal electroshock induced epilepsy | 4 |

2. Explain :

- | | |
|-------------------------------------|---|
| a) Carrageenan induced inflammation | 8 |
| b) Streptozotocin induced diabetes | 8 |

- | | |
|--|---|
| 3. a) Elaborate various methods used to evaluate antiasthmatic agents. | 8 |
| b) Discuss about antifertility agents and their screening methods | 8 |

4. Write notes on following :

- | | |
|---|---|
| a) Cell lines and its applications in development of new drugs | 8 |
| b) Forced swim test versus tail suspension test for antidepressants | 8 |





5. a) Discuss the limitations of animal experimentation. What are the various alternatives to animal experiments? 8
- b) Explain animal models used for screening antiatherosclerotic activity. 8
6. Discuss briefly :
- a) Castor oil induced diarrhea 8
- b) Any one screening model for Parkinson's disease 8

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

