Roll No. ⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚   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.