

Roll No.

Total No. of Pages : 02

Total No. of Questions : 13

B.Pharmacy (Sem.-8)
EXPERIMENTAL PHARMACOLOGY

Subject Code : BP-810-ET

M.Code : 79773

Date of Examination : 19-07-22

Time : 3 Hrs.

Max. Marks : 75

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains THREE questions carrying TEN marks each and student has to attempt any TWO questions.
3. SECTION-C contains NINE questions carrying FIVE marks each and student has to attempt any SEVEN questions.

SECTION-A

1. Write briefly :

- a) What is CPCSEA?
- b) What is euthanasia? Name two methods of euthanasia.
- c) Define with example "*transgenic animals*".
- d) Name two commonly used strains of rats in research.
- e) What are Sham control and Negative control group?
- f) Name two animal models of depression.
- g) Name one animal model each to screen peripheral and central analgesic activity.
- h) What is DOCA salt induced hypertension in rats?
- i) What is ANOVA? Indicate its significance.
- j) Name two animal models of ulcer.

SECTION-B

2. Enlist the various animal models of inflammation and discuss rat paw edema in detail.
3. Write a critical note on chemically induced diabetes in animals.
4. Describe any two models to screen anti-Alzheimer's activity.

SECTION-C

5. Discuss composition and functions of Institutional animal ethics committee (IAEC).
6. Name the various animal models of Parkinsonism and describe any one model.
7. Describe any one model for the evaluation of local anesthetic activity.
8. Write a note on "t" test and its significance.
9. Write a brief note on Gold blat technique to induce hypertension.
10. Describe an animal model of tonic-clonic seizures.
11. Describe an animal model to screen anti-psychotic activity.
12. What is stress induced ulcer? Describe a rodent model of stress induced ulcer.
13. Define research methodology and discuss about review of literature.

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