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2022

M.Pharm. 1st Semester End-Term Examination

PHARMACOLOGICAL AND TOXICOLOGICAL SCREENING METHODS — I

(New Regulation w.e.f. 2017-18)

Full Marks – 75

Time – Three hours

The figures in the margin indicate full marks
for the questions.

SECTION A

Answer *all* the questions :

(10 × 2 = 20)

1. Pylorus Ligation in rats.
2. Virus-induced Diabetes.
3. Epilepsy.
4. CPCSEA.
5. Ciliary activity
6. Premedication.
7. Morris water Maze.
8. Formalin Test.
9. Tail Flick Test.
10. Tail cuff Method in Rats.

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SECTION B

Answer any *seven* questions:

(7 × 5 = 35)

Write notes on:

11. Transgenic animals.
12. Anesthesia and Euthanasia of experimental animals.
13. Evaluation of CNS stimulants.
14. Good Laboratory practice.
15. Screening of anti-epileptic drugs.
16. Screening of anti-asthmatics.
17. Screening of anti-diarrheal agents.
18. What are diuretics? Write a brief note on screening of Diuretic agents. (1+4)
19. Alternative to animal experimentation.

SECTION C

Answer any *two* questions :

(2 × 10 = 20)

20. Enumerate the Pharmacological Screening Models of antihypertensives and antiatherosclerotic agents.
 21. Discuss the Screening methods for anti-cancer agents.
 22. Write notes on *any two* of the following
 - (a) CPCSEA guidelines to conduct experiments on animals.
 - (b) Screening of Immunosuppressants.
 - (c) Anti-inflammatory drug screening.
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