

MASTER OF PHARMACY (M. PHARM.) (CBCS-2019 COURSE)

M.Pharm. Sem-I : SUMMER : 2022

SUBJECT: PHARMACOLOGICAL & TOXICOLOGICAL SCREENING
METHODS-I

Day : Thursday
Date 12-May-2022

S-20730-2022

Time : 10:00 AM-01:00 PM
Max. Marks: 75

N.B.

- 1) Attempt ANY FIVE questions from the following.
- 2) Figures to the RIGHT indicate FULL marks.

3) Answers to both sections should be written in separate
Section I Answer book.

- Q.1 a) Discuss the CPCSEA guidelines on animal experimentation. (10)
b) Write a note on alternatives to animal experimentation. (05)

- Q.2 a) Discuss the various methods employed in screening of anti-depressants. (10)
b) Write a note on methods employed in screening of anti-ulcer agents (05)

- Q.3 a) Discuss the preclinical screening methods for anti-hyperlipidemic drugs. (07)
b) Elaborate on pre-clinical screening of immunosuppressants. (08)

- Q.4 a) Explain methods for screening of anti-asthmatic agents. (07)
b) Write in detail methods for screening of analgesics and anti-inflammatory agents. (08)

Section II

- Q.5 a) Discuss the various anesthetics used in experimental animals. (07)
b) Explain in detail methods for screening of anti-atherosclerotic agents. (08)

OR

- Q.6 Write notes on the following. (15)
a) Principles of Bioassay
b) Techniques employed in Immunoassay
c) Transgenic animals

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