

MASTER OF PHARMACY (M. PHARM.) (CBCS-2019 COURSE)
M.Pharm. Sem-I : PHARMACOLOGY : MARCH : 2022
SUBJECT: PHARMACOLOGICAL & TOXICOLOGICAL SCREENING
METHODS-I

Day : Friday
Date 25-Mar-2022

M-20730-2022

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

N.B.

- 1) **Q.No. 1 and Q.No. 5** are **COMPULSORY**. Out of remaining questions answer **ANY TWO** from **each** section.
 - 2) Answers to both sections should be written in **SEPARATE** answer books.
 - 3) Figures to the **RIGHT** indicate **FULL** marks.
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SECTION – I

- Q.1** Discuss the screening of anxiolytics. **(08)**
- Q.2** Explain CPCSEA guidelines on animal husbandry and maintenance during experimentation. **(15)**
- Q.3** Discuss the *in vitro* and *in vivo* screening methods for anti-Parkinsonian drugs. **(15)**
- Q.4** Write notes on **ANY TWO** of the following : **(15)**
- a) Screening of analgesics
 - b) Screening of anti-emetics
 - c) Screening of anti-asthmatic drugs

SECTION – II

- Q.5** Discuss the general principles of immunoassays. **(07)**
- Q.6** Explain the *in vitro* and *in vivo* screening methods for anticancer agents. **(15)**
- Q.7** Write short notes on : **(15)**
- a) *In vivo* Screening methods of antihyperlipidemics
 - b) Morris water maze test
 - c) *In vivo* methods of Screening of immunomodulators
- Q.8** Write notes on **ANY TWO** of the following : **(15)**
- a) Role of Transgenic models in preclinical research
 - b) Screening of diuretics
 - c) Screening of hepatoprotective agents
