

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LO 986]

MAY 2019

Sub. Code: 2986

M.PHARM. DEGREE EXAMINATION
(PCI New regulations 2016)
SEMESTER-II
BRANCH-VI – PHARMACOLOGY – MPL
PAPER II – PHARMACOLOGICAL AND TOXICOLOGICAL
SCREENING METHODS – II

Q.P. Code : 262986

Time : Three hours

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe in detail the OECD principles of Good Laboratory Practice (GLP).
2. Describe various methods of evaluation of toxicokinetics in preclinical studies.

II. Write notes on:

(7 x 5 = 35)

1. Concept and importance of drug development.
2. What is IND and write its importance?
3. Toxicity studies specified in EPA guidelines.
4. OECD inhalational toxicity studies.
5. *Invivo* carcinogenicity studies.
6. *Invivo* methods of genotoxicity.
7. *Invivo* methods of assessing male reproductive toxicity studies.
