

M.Sc. SEMESTER III ONLINE EXAMINATION, 2020
TOXICOLOGY
Paper – MTX 302

PAPER TITLE : REGULATORY & METHODS OF TOXICOLOGY

Time : Three Hours

Maximum Marks : 75

Attempt all questions. All parts of a question must be attempted in continuation.
Start answer of a fresh question on a new page.

1. Briefly answer the following [1.5 x 10 = 15]
 - i. The original OECD guideline 420 was adopted in
 - ii. Up and down procedure falls under the Acute Toxicity Guideline of OECD
 - iii. Market surveillance falls under Phase of Clinical Trail
 - iv. The number of types of mutations are
 - v. Development of comet assay is attributed to
 - vi. DGHS and DCGI fall under which ministry?
 - vii. In which year Indian GCP guidelines were given?
 - viii. Revised Schedule Y guidelines were given in the year
 - ix. NDMA is headed by
 - x. HeLa cells are named after
2. Write shot notes on any three (3) of the following: [5 x 3 = 15]
 - A. OECD's mission
 - B. Waste disposal
 - C. Regulations related to transport, storage and disposal of hazardous chemicals
 - D. Appendices to Schedule Y
 - E. Regulations pertaining to pre-clinical testing of drugs
3. Attempt any three of the following: [5 x 3 = 15]
 - A. Characteristics of disasters
 - B. Detection of toxicity to reproduction for medicinal products
 - C. ICMR ethical guidelines for biomedical research on human participants
 - D. Poison Information Centre
 - E. Role of ICH guidelines on genotoxicity testing
4. Write shot notes on any three (3) of the following: [5 x 3 = 15]
 - A. Importance of in vitro and in vivo testing of chemicals
 - B. Acute, chronic, sub-chronic toxicity testing
 - C. Basics of toxicokinetics procedures.
 - D. Describe different types of dose-response relationship.
 - E. Any two mammalian models used for toxicity testing
5. Attempt any three of the following: [5 x 3 = 15]
 - A. Chromosomal aberrations
 - B. Need of carcinogenicity testing
 - C. Sister Chromatid Assay
 - D. Rodent cancer bioassays
 - E. Future of toxicity testing

It should be noted that 40 minutes extra time will be provided to scan your answer sheets, build a PDF and uploaded it.