

Pramukh Swami Science & H.D. Patel Arts College, Kadi
Master of Vocation Pharmaceutical Chemistry Semester- I
Internal Examination, January-2019,
(MPC-104)New Drug Development and Toxicology
Time: 2 hours 04/01/2019 Total Marks: 60

Que-1. Answer any 12 questions. Each question carries 1 mark[12]

1. What Acute toxicity?
2. What is the principle of Bio assay?
3. Full form of HRP.
4. _____ Acetonitrile is used as buffer agent in RIA.
(a) 35% (b) 95% (c) 40% (d) 60%.
5. Milk- Milk is a universal antidote. (True/False)
6. What is role of Morphine?
7. Define LD₅₀.
8. The onset of action is less than _____ minutes when naloxone is administered intravenously.
(a) 05 minutes (b) 02 minutes
(c) 10 minutes (d) none of above
9. A lower LD₅₀ means more toxicity of chemical and greater the value of LD₅₀ means less toxicity of chemical. (True/False)
10. Full form of MATC?
11. Define Placebo.
12. What is Toxicity?
13. What is clinical trial?

Que.2. Answer any five questions. Each question carries 4marks

[20]

1. Give the Antidotes of following Drugs: -
(a) Benzodiazepines (b) Lead
(c) Heparin (d) Anticholinergic
2. What are symptoms of Morphine poisoning?
3. Brief note on Direct ELISA.

4. Short note on acute toxicity study.
5. What kinds of symptoms are seen in Barbiturate poisoning?
6. Short note on Sandwich ELISA.
7. Enlist name of various animals used in lab practices.

Que.3. Answer any four questions. Each question carries 7 marks [28]

1. Explain in detail about Clinical trials.
2. Give a brief note on Alcohol poisoning.
3. Explain a detail note on principle and application of RIA.
4. What is bioassay? Explain in detail.
5. Short note on principle and application of ELISA.
6. Detail note on Toxicity study.