

Hemchandracharya North Gujarat University, Patan
Master of Vocation

'Pharmaceutical Chemistry' Semester - I

END TERM Examination, January, 2019

Subject: New Drug Development and Toxicology (MPC-104)

Time: 2 hrs

Date: 30/01/2019

Maximum marks: 50

Q.1 Answer any 9 questions. Each question carries 1 mark (9*1=9Marks)

1. Define Bioassay.
2. Which of enzymes are used in ELISA Test?
3. Immunoglobulin G is synthesized from _____
4. Match the following.

I	II
(a) Barbiturates	(P) An anticholinergic alkaloid
(b) Bemegride	(Q) A central nervous system depressant
(c) Atropine	(R) A central nervous system stimulant
5. Assertion: - Benzodiazepines is widely used in the treatment of anxiety and insomnia.
Reason: - Due to the significantly lower risk of addiction and overdose.
 - (a) If both assertion and reason are true and the reason is the correct explanation of the assertion.
 - (b) If both assertion and reason are true but reason is not the correct explanation of the assertion.
 - (c) If assertion is true but reason is false.
 - (d) If the assertion and reason both are false.
6. What is the role of Physostigmine?
7. _____ is the full form of LOEC.
8. What is clinical trial?
9. Match the following.

I (Drugs)	II (Antidotes)
(a) Heparin	(P) Glucagon
(b) Opioids	(Q) Protamine sulphate
(c) Insulin	(R) Nalmefene
10. Define LD50.

Q. 2 Answer any 5 questions. Each question carries 4 marks (5*4=20 Marks)

1. Short note on principal of ELISA.
2. Short note on Antidotes.
3. Explain briefly about the applications of RIA and ELISA.
4. What is toxicity study?
5. What are symptoms of Morphine poisoning?
6. Short note on Radioimmunoassay.

Q.3 Answer any 3 questions. The question carries 07 marks (3*7=21 Marks)

1. Give a detail note on experimental model of screening of Analgesics.
2. What is ELISA? Give a brief note on Sandwich ELISA.
3. Write a detail note on Barbiturate poisoning.
4. Give a detail note on experimental model of screening of Anti-inflammatory.