JAZ-1603120602030200 Seat No. _____

M. Sc. (Biochemistry) (Sem. III) (CBCS) Examination

December - 2019

EBC - 2 : Pharmaceutical Biochemistry & Regulatory Affairs

Time : $2\frac{1}{2}$ Hours] [Total Marks : **70**

1 Answer briefly any **seven** of the following questions : **14**

(1) Draw the detailed graph of dose-effect relationship.

(2) What is Ld50 and Mec ?

(3) What is Pharmacopae ?

(4) Define the term Non-infringing patent ability.

(5) What is Drug excretion? Enlist its types.

(6) Enlist the difference between Antagonists and Partial agonist.

(7) What are the functions of FDA ?

(8) Enlist the various aspects of pharmaceutical product management.

(9) Enlist the various side effects of drugs.

(10) What is Data Mining ?

2 Answer any **two** of the following questions : **14**

(1) What is renal clearance? Explain the relationship between renal clearance values and mechanism of clearance.

(2) Write a detailed notes on drug receptor interaction theories.

(3) Write a note on cGMP.

3 (1) Enlist the various factors affecting Drug metabolism and elimination and explain any two in detail. **7**

(2) Mention any two treatment of diseases by enzyme stimulation along with significance. **7**

OR

3 (1) Write a note on GATT-WTO scenarios. **7**

(2) Write the guidelines of International Council for Harmonisation. **7**

4 Answer the following questions : **14**

(1) Write a detailed note on soft drug

(2) Enlist the various governing Law of Intellectual Property Rights in India . Give details of procedure for grant of patent.

5 Answer the following questions : (any **two**) **14**

(1) Enlist differences of Phase I and Phase II in biotransformation reactions.

(2) Describes the methods for analytical aspects of pharmaceutical products.

(3) Write Short note on drug delivery system by liposome.

(4) Case report form development, purpose and importance in clinical data documentation.
