

M.Sc.(FS) Semester - 3 (CBCS) Examination
Oct/Nov-2021 (NEW COURSE)
Pharmacology And Drugs Analysis (Core)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que.1(A) Answer all questions in short: (4)
1. Mention the scopes of Forensic Pharmacology.
2. Briefly explain Drugs and Cosmetics Rules, 1945
- Que.1(B) Answer any two questions out of three (10)
1. Briefly explain the Routes of Drug Administration.
2. Write a brief note on different divisions of Pharmacology.
3. Write a brief note on Indian Pharmacopoeia.
- Que.2(A) Answer all questions in short: (4)
1. Define Volume of Distribution.
2. Define Bioavailability and Bioaccumulation.
- Que.2(B) Answer any two questions out of three: (10)
1. Explain briefly about the Phases of metabolism.
2. Explain briefly about the different methods of drug absorption and transportation.
3. Define drug excretion. Mention about the functions of the organs involved in drug excretion.
- Que.3(A) Answer in short (4)
1. Write a note on Blood Brain Barrier.
2. Define Structure Activity Relationship (SAR). Mention its applications.
- Que.3(B) Answer any two questions out of three: (10)
1. Write a note on the types of drug interactions.
2. Write a note on the Classification of Adverse drug reactions (ADRs).
3. Write a note on the types of receptors.
- Que.4(A) Answer in short: (4)
1. Define personalized medicines. Mention its advantages.
- Que.4(B) Answer any two questions out of three: (10)
1. Define Pharmacogenomics. Write a brief note on its advantages and disadvantages.
2. Define SNPs. Write briefly about the Foundation of Pharmacogenomics
3. Differentiate between Pharmacogenomics and Pharmacogenetics. Briefly explain the Potential of Pharmacogenomics
- Que.5(A) Answer in short: (4)
1. Define QuEChERS. Mention its two advantages
2. Write the basic principle of Immunoassay technique
- Que.5(B) Answer any two questions out of three (10)
1. Write a brief note on the types of Immunoassay techniques..
2. Briefly explain the ELISA Technique. Mention its applications
3. Write a note on the working procedure of QuEChERS.
