

M.Sc.(FS) Semester - 3 (CBCS) Examination
Nov/Dec-2023 (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 the following question. (04)
1. Give classification of drug with suitable examples.
- Que.1(B) Answer any two questions out of three. (10)
1. Give an account on DTAB.
2. What is pharmacopoeia? Write an account on Indian pharmacopoeia.
3. Define Pharmacology and briefly introduce various divisions of pharmacology.
- Que.2(A) Answer the following question. (04)
1. Write a note on factors affecting distribution of drug.
- Que.2(B) Answer any two questions out of three. (10)
1. Discuss blood brain barrier.
2. Explain drug absorption and transportation in detail.
3. Write a note on functions of the organs involved in drug excretion.
- Que.3(A) Answer the following question. (04)
1. What is Structure Activity Relationship (SAR)?
2. Briefly explain following: (i) Efficacy (ii) Potency.
- Que.3(B) Answer any two questions out of three. (10)
1. Write a note on types of receptors.
2. Discuss types of drug interactions.
3. Discuss Adverse drug reactions (ADRs).
- Que.4(A) Answer the following question. (04)
1. What are personalized medicines?
- Que.4(B) Answer any two questions out of three. (10)
1. Give brief account of SNPs and discuss foundation of pharmacogenomics.
2. Discuss the potential of pharmacogenomics, and discuss how it differs from pharmacogenetics?
3. Give an account on pharmacogenomics, its advantages and limitations.
- Que.5(A) Answer the following question. (04)
1. Define QuEChERS and write its advantages.
- Que.5(B) Answer any two questions out of three. (10)
1. Differentiate between TLC and HPTLC.
2. Write a note on types of immunoassay techniques.
3. Give the principle of LCMS and discuss its applications.
