

**B. PHARM.**  
**(SEM VII) THEORY EXAMINATION 2017-18**  
**PHARMACOLOGY III (PHARMACOLOGY & PHARMACOVIGILANCE)**

Time: 3 Hours

Total Marks: 100

Note: Attempt all Sections.

## SECTION A

1. Attempt *all* questions in brief. 2x10 = 20
- a) Classify drugs acting on uterus.
  - b) Define Chromotherapy.
  - c) Define SERMs with examples.
  - d) Explain with suitable example the sequential block in bacterial folate metabolism.
  - e) Write the adverse effects of Chloramphenicol.
  - f) Define Naturopathy.
  - g) Define therapeutic index.
  - h) Give the microvascular and macrovascular complications of diabetes mellitus.
  - i) Give the pharmacological actions of vitamin D.
  - j) Define pharmacoepidemiology.

## SECTION B

2. Attempt any *three* of the following: 10 x 3 = 30
- a) Explain the mechanism of action, pharmacological actions and preparations of insulin.
  - b) Describe the mechanism of action and adverse effects and uses of Tetracyclines.
  - c) Write a detailed note on Mud therapy.
  - d) Classify ADRs. Write the role of Pharmacist in prevention and management of adverse drug reactions.
  - e) Write down the scope and significance of epidemiological studies.

## SECTION C

3. Attempt any *one* part of the following: 10x1 = 10
- a) Classify oral contraceptive. Write a detailed pharmacology of combined oral contraceptive pill.
  - b) Elaborate the pharmacological actions and adverse effects of Glucocorticoids and Mineralocorticoids.
4. Attempt any *one* part of the following: 10x1 = 10
- a) Classify antimalarial drugs. Write the mechanism of action, adverse effects of Chloroquine.
  - b) Classify antitubercular agents. Write the mechanism of action, adverse effects and uses of isoniazid and rifampin.
5. Attempt any *one* part of the following: 10x1 = 10
- a) Elaborate the process of acupuncture along with its advantages and disadvantages.
  - b) Explain the principles of naturopathy. How the patients are treated? Give its risk factors and side effects.

6. Attempt any *one* parts of the following: 10x1 = 10
- a) Write in detail about fixed dose drug combinations scenario in India with reference to rational and irrational drug combinations.
  - b) Classify ADR and its causality assessment techniques. Explain the role of pharmacist in ADR prevention and management.
7. Attempt any *one* part of the following: 10x1 = 10
- a) Write short note on following:
    - i) Relative risk and Attributable risk
    - ii) Prospective and retrospective studies.
  - b) Explain with example the framework, advantages and disadvantages of cohort studies.