Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 18

Pharm. D   (Sem.–5)
PHARMACOEPIDEMIOLOGY & PHARMACOECONOMICS
Subject Code : 5.2
Paper ID : [72491]

Time : 3 Hrs.   Max. Marks : 70

INSTRUCTION TO CANDIDATES :
1. SECTION-A contain SEVEN questions. Attempt any FIVE questions. Each question will carry TWO marks each.
2. SECTION-B contain EIGHT questions (Short Essay Type). Attempt any SIX questions. Each question will carry FIVE marks.
3. SECTION-C contain THREE questions (Long Essay Type). Attempt any TWO questions. Each question will carry FIFTEEN marks.

SECTION A

1. Define Odds ratio.

2. Describe average and incremental cost-effectiveness ratio.

3. Differentiate between case-report and case series.

4. Differentiate between absolute and relative risk.

5. Write indirect costs associated with the disease management.

6. Define Pharmacoeconomics.

7. Define and classify adverse drug reaction.

SECTION-B

8. Describe the advantages of epidemiologic study designs.

9. Describe the role of Pharmacoeconomics for therapeutic decisions.

10. Briefly overview the methodological issues associated with epidemiologic studies.

11. Briefly describe the functioning of adverse event reporting system (AERS).

12. Briefly describe major elements of prescription event monitoring system.

13. Describe cost-effectiveness analysis in detail.

14. Describe the need and methodology of sample size calculation for pharmaco-epidemiologic studies.

15. Describe the role of automated databases in epidemiologic studies.

SECTION-C

16. Write short notes on the following :

    a) Applications of pharmaco-epidemiologic research

    b) Drugs induced teratogenicity.

17. Write short notes on the following :

    a) Cohort study

    b) Cost-utility analysis

18. Describe the process of pharmacoeconomic evaluation using different models.