

Question Paper

Exam Date & Time: 12-Apr-2023 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

Instructions: Answer ALL questions.

Pharmacoepidemiology and Pharmacoeconomics [PPR 5.2T-S3]

Marks: 70

Duration: 180 mins.

Section A

Answer all the questions.

Long Answer Questions (3 x 10 marks = 30 marks)

- 1) Explain the different data sources available in pharmacoepidemiological studies. (10)
- 2) What are descriptive and analytical studies in epidemiology? Explain an analytical study design in which exposure and outcome (disease) occurred before the start of the study. (10)
- 3) Explain the steps in performing a pharmacoeconomic analysis. (10)

Section B

Answer all the questions.

Short Answer Questions (6 x 5 marks = 30 marks)

- 4) Describe the various interventional strategies used to improve medication adherence. (5)
- 5) Explain the different statistical outcome measures used in pharmacoepidemiology. (5)
- 6) Define prescription event monitoring (PEM) and explain the process of PEM. (5)
- 7) Describe the framework and process for conducting a meta-analysis. (5)
- 8) Describe cost-effectiveness analysis using a cost-effectiveness grid and a cost-effectiveness plane. (5)
- 9) Explain the role of pharmacoeconomics in formulary management decisions. (5)

Section C

Answer all the questions.

Give Reasons for the Following (5 x 2 marks = 10 marks)

- 10) Generic health-related quality of life instruments are less accurate at identifying specific health effects. (2)
- 11) Incremental net benefit (INB) has been proposed as an alternative for the incremental cost-effectiveness ratio. (2)
- 12) Case reports are different from case series. (2)
- 13) The risk associated with a drug is difficult to quantify accurately through spontaneous reporting. (2)
- 14) Cross-sectional studies are also known as prevalence studies. (2)

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