

Fifth Year Pharm. D : SUMMER - 2019
SUBJECT : PHARMACOEPIDEMOLOGY AND PHARMACOECONOMICS

Day : Tuesday
Date : 09/04/2019

S-2019-4525

Time : 10.00 A.M. TO 01.00 P.M.
Max. Marks : 70.

N.B.:

- 1) Q. No. 1 and Q. No. 5 are **COMPULSORY**. Out of remaining attempt any **TWO** questions from Section-I and any **TWO** questions from Section-II
 - 2) Section-I and Section-II should be written in **SEPARATE** answer book.
 - 3) Figures to the right indicate **FULL** marks.
-

SECTION-I

- Q.1 A)** Answer any **FOUR** of the following: **(08)**
- i) Explain defined daily doses (DDD).
 - ii) Explain secular trend analyses.
 - iii) What is indirect medical cost?
 - iv) Define Pharmacoepidemiology.
 - v) Define Spontaneous reporting system.
 - vi) Define record linkage system (RLS).
- B)** Write a short note on Patient Reported Outcomes. **(03)**
- Q.2** Discuss cross sectional studies and case control studies with examples. **(12)**
- Q.3 a)** Enumerate various automated data base systems. Explain any two in detail. **(07)**
- b)** Explain Ad Hoc data sources in detail. **(05)**
- Q.4** Write short notes on any **THREE** of the following: **(12)**
- a) Aims and applications of Pharmacoepidemiology
 - b) Time-risk relationship and odds ratio with suitable examples
 - c) Process for prescription event monitoring (PEM)
 - d) Methodological problems in of drug-induced birth defect studies.
 - e) Attributable risk and relative risk with suitable examples.

SECTION-II

- Q.5 A)** Answer any **FOUR** of the following: **(08)**
- i) What are the main branches of economics? Explain.
 - ii) Explain theory of the consumers.
 - iii) Provide few key reasons why the market for healthcare fails.
 - iv) What is the difference between Allocative efficiency and technical efficiency?
 - v) What do you mean by moral hazard?
 - vi) Define the term meta-analysis.
- B)** Differentiate between implicit and explicit rationing. **(03)**

P.T.O.

Q.6 What is utility? Explain with a suitable example. Elaborate standard gamble or time trade-off methods used for attaching values to health states. **(12)**

Q.7 a) Elaborate QALYs with a suitable example. **(07)**

b) Explain cost minimization analysis (CMA) with suitable example. **(05)**

Q.8 Write short notes on any **THREE** of the following: **(12)**

- a)** Cost effectiveness planes
- b)** Types of sensitivity analysis
- c)** Discounting
- d)** Advantages and disadvantages of Cost Benefit Analysis (CBA)
- e)** Role and responsibility of WHO in Global drug surveillance.

* * *