

Total No. of Questions : 6]

SEAT No. :

P2014

[5145]-805

[Total No. of Pages : 2

Final Year B.Pharmacy
PHARMACOLOGY - V (Including Biostatistics)
(2013 Pattern) (Semester - VIII)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Answers to the two sections should be written in separate books.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *All questions are compulsory.*

SECTION - I

Q1) Define and classify drug interaction. Explain in brief pharmacodynamic drug interaction with suitable examples. **[10]**

OR

Define Adverse drug reactions (ADR). Discuss in brief monitoring and reporting of ADR.

Q2) Solve any Five: **[15]**

- a) Explain the types of hypersensitivity reactions.
- b) Write about disease targets for gene therapy.
- c) Justify why levodopa and carbidopa are beneficial drug interaction.
- d) Principles of rehabilitation of drug addicts.
- e) Write the sources and types of stem cells.
- f) Explain drug interaction during drug distribution with example.
- g) Write the need for Pharmacovigilance.

Q3) Write notes on (any two): **[10]**

- a) Drug - food interaction.
- b) Therapeutic drug monitoring (TDM).
- c) Liver function test.
- d) Teratogenicity.

P.T.O.

SECTION - II

Q4) Define Institutional Review Board (IRB). Explain in brief its objectives, composition, responsibilities and process. **[10]**

OR

Explain various drug distribution systems in the hospital pharmacy with its advantages and disadvantages.

Q5) Solve any Five: **[15]**

- a) Discuss the qualification and responsibilities of investigator in clinical trials.
- b) Define Protocol, Blinded Study, Randomization.
- c) Write the minimum standards required for hospital pharmacy.
- d) Discuss the special consideration in informed consent.
- e) Define patient counselling. Explain different stages of patient counselling.
- f) Write the advantages and disadvantages of inpatient and outpatient pharmacy.
- g) Write the importance of Nuremberg Code.

Q6) Write notes on (any two): **[10]**

- a) Role of hospital pharmacist in hospital committees.
- b) Phases of clinical trials.
- c) Declaration of Helsinki.
- d) Principles of ICH GCP Guidelines.

