Total No. of Questions : 6]

SEAT No. :

P3186

[Total No. of Pages : 3

[5245]-805

Final Year B.Pharmacy (Semester - VIII)

PHARMACOLOGY - V (INCLUDING BIOSTATISTICS)

(2013 Pattern)

Time : 3 Hours] *[Max. Marks :70*

Instructions to the candidates:

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

SECTION - I

Q1) Classify drug Interaction. Explain in Brief drug interaction during absorption and distribution with suitable example. **[10]**

OR

Define pharmacorigilance. Write in brief about monitoring, detection and reporting of adverse drug reactions (ADR).

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

a) Justify the use of penicillin and proberecid as beneficial drug interaction.

b) Write the variables affecting drug abuse and misuse.

c) Explain the laboratery tests for liver dysfunction.

d) Discuss drug - food interaction with example

e) Explain the types of hypersensitivity reactions.

f) Write the applications of stem cell therapy.

g) Explian the effect of change in pH during drug excretion with example.

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

a) Advantages and applications of TDM.

b) Pharmacodynamic drug interaction.

c) Drug Induced Diseases.

d) Carcinogenecity

SECTION - II

Q4) Explian clinical research. Write in brief about different phases of clinical trials. **[10]**

OR

Write the composition, objectives and process of pharmacy and therapeutic committee in hospital pharmacy.

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

a) Write about inclusion and exclusion criterion in subject selection.

b) Define cross over trial, control group and double blinded study.

c) Explain unit dose drug distribution system with its advantages.

d) Write about role and responsibilities of contract. Research organization (CRO)

e) Write the importance of data handling and record keeping in clinical trials.

f) Explain the role of hospital pharmacist in practice of rational drug therapy.

g) Ethical issues in nuremberg code.

Q6) Write short notes on (any 2) **[10]**

a) Drug development process

b) Hospital formulary.

c) Composition and process of - IRB

d) Principles of ICH GCP guidelines.