



NKT/KS/17/6572

B.Pharm. Sixth Semester (C.B.S.) Examination**PHARMACOLOGY—IV****Paper—3**

Time : Three Hours]

[Maximum Marks : 80

N.B. :— (1) Question No. 1 is compulsory.

- (2) Solve any **four** questions from remaining.
- (3) Draw neat labelled diagram wherever necessary.
- (4) Assume suitable data wherever necessary.
- (5) Discuss the reaction, mechanism wherever necessary.
- (6) Use of electronic calculator is permitted.

1. Give the pharmacology of the following drugs (any **five**) :

- (A) Acyclovir
- (B) Cotrimoxazole
- (C) Metronidazole
- (D) Ketoconazole
- (E) Propylthiouracil
- (F) Cephalosporin
- (G) Metformin.

5×4=20

2. (A) What is microdosing ? Discuss all phases of clinical trials.

10

(B) Explain informed consent form. Justify the relationship of informed consent form with clinical trial.

5

3. Explain in detail malarial cycle. Classify anti-malarial drugs according to their inhibition at various stages of malarial cycle with detail pharmacology.

15

4. What is diabetes mellitus ? Explain in detail the treatment strategy for various types of diabetes mellitus.

15

5. (A) What are various causes and mechanism of cancer development ? What are recent developments in anticancer drug therapy ?

10

(B) How toxicities of anti-cancer drugs can be controlled ?

5

6. (A) Describe the fate and metabolic effect of thyroid hormones.

7

(B) Write in detail about immunomodulators.

8

7. Write short notes on (any **three**) :

- (A) Fluroquinolones
- (B) Antitubercular drugs
- (C) Corticosteroid
- (D) Adverse events in clinical trial
- (E) Human immunodeficiency virus.

3×5=15

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