

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