

DIPLOMA IN PHARMACY (FINAL YEAR)
(NEW)
HOSPITAL AND CLINICAL PHARMACY
(204)

Time : Three Hours

Maximum Marks : 80

Note : (i) Attempt total six questions. Question No. 1 is compulsory. From the remaining questions attempt any five.

(ii) Illustrate your answer with neat sketches wherever necessary.

1. Give normal values and significance of the following (any five) 10

- (i) Blood sugar —
- (ii) R. B. C. count
- (iii) Prothrombin time —
- (iv) Haemoglobin
- (v) W. B. C. count
- (vi) Platelets —

2. Answer any four of the following : 14

- (a) Describe the objective of Hospital pharmacy.
- (b) Define a modern Hospital. Describe four major functions of hospital.
- (c) Classify the hospital on clinical basis.

P. T. O.

- (d) What is hospital formulary ? What are the requirements for preparation of H. F. ?
- (e) Who is an administrator ? What are his responsibilities ?

3. Answer any *four* of the following : 14

- (a) Define Bioavailability and list the various factors which affect bioavailability.
- (b) Who are the members of PTC ? Give *four* functions which they need to perform.
- (c) Write primary and secondary sources of drug information bulletin.
- (d) Draw an illustrate flowchart of patient's in hospital.
- (e) Write a short note on Teratogenecity.

4. Answer any *four* of the following : 14

- (a) What are the advantages of prepacking drugs ?
- (b) What services are provided by pharmacist to out-patient ?
- (c) Describe the abilities required for a hospital pharmacist to run the hospital.
- (d) Give layout of sterile product area.
- (e) Write a short note on Drug information Services.

5. Answer any *four* of the following : 14

- (a) What is patient compliance ? Explain the reasons for non-compliance. What is the pharmacist's role in improving compliance ?
- (b) Explain why kidney is highly sensitive to effects of drug with examples.
- (c) Name the different types of forceps used in hospital. How are they sterilized ?
- (d) Define Hallucinogen. Give the effects and treatment of LSD.
- (e) Explain dispensing of non-charge floor stock drugs in hospital.

6. Answer any *four* of the following : 14

- (a) Classify poisons. Enlist steps in general treatment of poisoning.
- (b) Explain the applications of computer in pharmacy.
- (c) What are the requirements of aseptic area? State precautions in aseptic area.
- (d) Discuss physiological factors affecting bioavailability of drugs.
- (e) Write a note on the containers and closures used in parenterals.

7. Answer any *four* of the following : 14

- (a) What is tuberculosis ? Write its pathophysiology, sign and symptoms.

- (b) What are surgical dressings ? Write evaluation parameters for surgical dressings.
- (c) Explain the term drug abuse and drug habituation. How is the treatment of drug abuse done ?
- (d) Classify Pharmacokinetic Drug Interactions with examples. Explain the drug interactions related to distribution alteration.
- (e) Write a note on patient counselling.