[Time: Two Hours] **[Marks:35]**

Please check whether you have got the right question paper.

N.B: 1. All questions are compulsory.
2. Figures to right side indicate full marks.

Q. 1 Answer the following **07**
i. Define term Hospital pharmacist
ii. Enlist any two situations in clinical practice where patient compliance is extremely important.
iii. In patients on treatment of warfarin and phenyl butazone if bleeding complications occur, explain the mechanism of adverse drug reaction occurred.
iv. Explain mechanism of drug interaction if oral contraceptive action fails in female patient on prolonged treatment of broad Spectrum antibiotics.
v. Why rectal route of administration is preferred for diazepam in infants suffering from febrile seizures.
vi. Why therapeutic drug monitoring is required in patients on treatment of Digitalis
vii. Define case report form.

Q. 2 A. Answer the following **(Any One)** **04**
i. Discuss responsibilities of clinical pharmacist in hospitals.
ii. Explain various communication skills required for effective patient counseling.

B. Answer the following **03**
i. Write a note on methods of assessment of patient compliance.

Q. 3 A. Answer the following **(Any One)** **04**
i. Compare and contrast between Type A and Type B adverse drug reactions
ii. Discuss role of pharmacist in prevention of adverse drug reactions

B. Answer the following **03**
i. Write a note on various criteria's for valid therapeutic drug monitoring.

Q. 4 A. Answer the following **(Any One)** **04**
i. Explain with suitable examples drug interactions due to drugs having opposing pharmacological actions and drug interactions due to drugs having similar pharmacological octions.
ii. Explain with examples various beneficial drug interactions.

B. Answer the Following **03**
i. Explain effect of renal and hepatic failure on drug therapy in geriatric patients.

Q. 5 A. Answer the Following **(Any One)** **04**
i. Explain Various criteria's involved in design of clinical trial.
ii. Write a note on preclinical drug development

B. Define the following **03**
i)sponsor ii) Good Clinical Practice iii) Adverse event