

[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**
- Define term Hospital pharmacist
 - Enlist any two situations in clinical practice where patient compliance is extremely important.
 - In patients on treatment of warfarin and phenyl butazone if bleeding complications occur, explain the mechanism of adverse drug reaction occurred.
 - Explain mechanism of drug interaction if oral contraceptive action fails in female patient on prolonged treatment of broad Spectrum antibiotics.
 - Why rectal route of administration is preferred for diazepam in infants suffering from febrile seizures.
 - Why therapeutic drug monitoring is required in patients on treatment of Digitalis
 - Define case report form.
- Q. 2** A. Answer the following **(Any One)** **04**
- Discuss responsibilities of clinical pharmacist in hospitals.
 - Explain various communication skills required for effective patient counseling.
- B. Answer the following **03**
- Write a note on methods of assessment of patient compliance.
- Q. 3** A. Answer the following **(Any One)** **04**
- Compare and contrast between Type A and Type B adverse drug reactions
 - Discuss role of pharmacist in prevention of adverse drug reactions
- B. Answer the following **03**
- Write a note on various criteria's for valid therapeutic drug monitoring.
- Q. 4** A. Answer the following **(Any One)** **04**
- Explain with suitable examples drug interactions due to drugs having opposing pharmacological actions and drug interactions due to drugs having similar pharmacological actions.
 - Explain with examples various beneficial drug interactions.
- B. Answer the Following **03**
- Explain effect of renal and hepatic failure on drug therapy in geriatric patients.
- Q. 5** A. Answer the Following **(Any One)** **04**
- Explain Various criteria's involved in design of clinical trial.
 - Write a note on preclinical drug development
- B. Define the following **03**
- sponsor ii) Good Clinical Practice iii) Adverse event