

Q.P. Code :34668

[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 indicate full marks.

- Q1 Answer the following 07
- i) Enlist various counselling aids used by pharmacist during patient counselling.
 - ii) Write any two improvements in dispensing practices to be made by pharmacist for effective patient compliance.
 - iii) Explain type B adverse drug reaction with any one suitable example.
 - iv) Justify why prolonged administration of cholestyramine reduces absorption of vitamin k leading to increased bleeding tendencies in some patients.
 - v) Postural hypotension is often aggravated by alpha blockers in geriatric patients.
 - vi) Why therapeutic drug monitoring is required for digoxin.
 - vii) Define term contract research organization.
- Q2 a) Answer **any one** of the following 04
- i) Discuss various steps involved in patient counselling.
 - ii) Define the term clinical pharmacy. write functions of clinical pharmacist in hospital.
- Q2 b) Answer the following 03
- i) Explain various reasons for patient non-compliance.
- Q3 a) Answer **any one** of the following. 04
- i) Discuss various factors predisposing adverse drug reactions with examples.
 - ii) Explain mechanisms of type A adverse drug reaction.
- 03 b) Answer the following 03
- i) Discuss various conditions during which therapeutic drug monitoring becomes must.
- Q4 a) Answer **any one** of the following 04
- i) Write notes on drug food interaction and drug alcohol interaction.
 - ii) Explain mechanisms of following drug interactions
 - a) MAO inhibitors & SSRI
 - b) Rifampicin and oral contraceptives

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- Q4 b) Answer the following 03
i) Discuss factors altering absorption of drug administered by various routes in pediatric patients.
- Q5 a) Answer **any one** of the following 04
i) State types of clinical trials & write a note on double blind trials.
ii) Discuss role of preclinical studies in drug development.
- b) Answer the following 03
i) Define : a) Institutional Review Board
b) Protocol
c) Randomization
