

Roll No

PY-705

B.Pharmacy VII Semester

Examination, December 2016

Pharmacology - IV

(Clinical and Drug Interactions)

Time : Three Hours

Maximum Marks : 70

Note: i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.

ii) All parts of each question are to be attempted at one place.

iii) All questions carry equal marks, out of which part A and B (Max.50 words) carry 2 marks, part C (Max.100 words) carry 3 marks, part D (Max.400 words) carry 7 marks.

iv) Except numericals, Derivation, Design and Drawing etc.

1. a) What do you understand by bactericidal and bacteriostatic drugs?
- b) What is β -lactum antibiotics?
- c) Discuss the mechanism of action of Sulfonamides.
- d) Define the term antibiotics and chemotherapeutic agent. Give note on resistance to antibiotics.

OR

Classify penicillin. Discuss mechanism of action, antibacterial spectrum and therapeutic uses.

2. a) Define the term clinical toxicology.
- b) What is barbiturate poisoning?
- c) Explain in brief general principles of poisoning.
- d) Give a detailed note on heavy metal poisoning.

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OR

Discuss sign and symptoms, chronic toxicity and treatment of and organophosphorus poisoning.

3. a) Define the term antagonist, synergistic and additive.
- b) Justify the following terms Idiosyncrasy and Adverse drug reaction.
- c) Write on drug induced diseases.
- d) Drive a detailed account of problems associated with TDM and organization of TDM services.

OR

Write detailed note on drug interactions.

4. a) What is individualization of drug therapy?
- b) Define clinical pharmacokinetics and pharmacodynamics.
- c) Which kinds of pharmacokinetic and pharmacodynamics variation occur due to disease?
- d) Name the drugs to be avoided during pregnancy and breastfeeding women with their toxic effects.

OR

What do you mean by pediatric drug dosage? Give the factors modifying pediatric drug therapy.

5. a) Define the term Malaria.
- b) What are anti-tubercular drugs?
- c) Give the mechanism of action of antifungal drugs.
- d) Classify antiviral drugs and give detailed account on anti-HIV treatment.

OR

Classify anticancer drugs and give detailed account of alkylating agents.

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