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FACULTY OF PHARMACY

B. Pharmacy 3/4 I-Semester (Non-CBCS) (Backlog) Examination, January 2020 Subject: Pharmacology - I

Time: 3 Hours Max. Marks: 70

Note: Answer all questions. All questions carry equal marks.

- 1. (a) Write n detail about various biotransformation reactions with examples.
 - (b) Define the following:

4

- (i) Therapeutic Index.
- (ii) Biological half life.

OR

- (c) Explain in detail about the advantages and disadvantages of different routes of drug administration.
- 2. (a) Write the pharmacological effects of acetyl choline.

7

(b) Explain the various therapeutic uses and adverse reactions of (β) – adrenergic blocers.

7

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- (c) Explain the pharmacological actions and therapeutic uses of the following: 7+7
 - (i) Acetylocholinesterase Inhibitors.
 - (ii) β Adrenergic blockers.
- 3. (a) Classify anti-depressants and explain the mechanism of action, adverse reactions and therapeutic uses of any two class of drugs. 6+8

OR

- (b) Write the classification of Non-sterodial anti-inflammatory agents and explain the details of any two classes of drugs.

 6+8
- 4. (a) Define arrhythmia. Classify the anti-arrythmic agents with examples. Write about the mechanism of action and adverse reactions of any one class of drugs. 2+5+7

OR

(b) Write short notes on:

7+7

- (i) Bronchodilators.
- (ii) Anti-anginal agents.
- 5. (a) Classify the agents used in treatment of peptic ulcer disease. Write about the pharmacological actions and therapeutic uses of Ranitidine and Omeprazole. 4+5+5

OR

(b) Write about the following:

7+7

- (i) Anti-diarrhoeal agents.
- (ii) Anti-emetic agents.

Pharmacy