

F/2017/1951

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**FINAL YEAR (NEW) PHARMACY
PHARMACOLOGY AND TOXICOLOGY
(203)**

Time : Three Hours

Maximum Marks : 80

- Note :** i) Attempt total *six* questions. Question No.1 is compulsory. From the remaining questions attempt any *five*.
- ii) Illustrate your answer with neat sketches wherever necessary.

1. Explain the following terms : (Any Five) • 10
- a) Antibiotics are generally given in combination.
 - b) Atropine causes photophotices.
 - c) Sulfonamides are ineffective in presence of pus.
 - d) Why Aspirin is not given on empty stomach.
 - e) Antitubercular agents are effective in combination therapy.
 - f) Morphine cause addiction
 - g) Tetracycline is not given in pregnant women.

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P.T.O.

2. Attempt any four of the following : 14

- a) Write a note on factors modifying drug action.
- b) Write a note on Proton Pump Inhibitors (PPIs)
- c) Explain the concept of Antimicrobial Resistance.
- d) Discuss mechanism of action and ADR of Penicillin.
- e) Classify the drug used in peptic ulcer with examples.

3. Attempt all of the following :

- a) Discuss in brief about Insulin Secretion, Action, Drug Interactions and its uses. 7
- b) Mention various routes of drugs administration with advantages and disadvantages of each. 7

OR

Elaborate the term biotransformation including reactions.

4. Attempt any four of the following : 14

- a) Discuss the action, uses and adverse effects of Oxytocin.
- b) Write various steps involved in neurohumoral transmission.

(3)

- c) Give pharmacological action of parasympathomimetics.
- d) Write a note on muscle relaxants.
- e) Write a note on Disulfiram.

5. a) Explain Autacoids. Give synthesis, pharmacological action and pathophysiological role of histamine. <http://www.rgpvonline.com>
- b) Classify Antiviral drugs with mechanism of action and uses of acyclovir.

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OR

Discuss pharmacology of Diclofenac.

6. Attempt any four of following : 14
- a) Differentiate between local and general Anaesthetics.
 - b) Write a note on Antiparkinson drugs.
 - c) Write a short note on life cycle of malaria parasite.
 - d) Write a note on Vitamin B12.
 - e) Classify laxatives with examples with mechanism of bulk purgative.

7. Write short notes on any four : 14

- a) Aminoglycoside Antibiotics
- b) Classify antimalarial drugs with mechanism of action of progranit.
- c) Classify anticancer drugs with examples of each.
- d) Various stages of General Anaesthesia.
- e) Classify Antipsychotic drugs with its mechanism of action and Adverse effects.

