

Total No. of printed pages = 5

PY 132607

Roll No. of candidate

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2016



**B. Pharm 6th Semester End-Term Examination**

**PHARMACOLOGY - II**

**Full Marks-100 Pass Marks-35 Time-Three hours**

The figures in the margin indicate full marks for the questions.

**GROUP - A**

**2×6=12**

Answer *all* the questions from Group - A.

1. Describe the physiological role of substance P.
2. What is motion sickness ? Describe its management procedure.
3. Give a short note on 5-HT receptors in GIT and its antagonist.
4. Write about the anti-IgE antibody in hypersensitivity and asthma.

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5. Write examples of mast cell stabilizing agent LTD4 inhibitor.
6. Describe the management of digitalis poisoning.

GROUP - B  $3 \times 6 = 18$

Answer any *six* questions from Group - B.

1. Mention the physiological role of 5-HT. Write about different types of 5-HT antagonist.
2. What is migraine? Describe its cause, types, symptoms, management and prophylaxis.
3. Write a short note on second generation antihistaminics.
4. Describe the role of  $\text{PGF}_2\alpha$ ,  $\text{PGD}_2$  and  $\text{TAX}_2$  on bronchial tract.
5. What is COPD? Write briefly the drugs used in COPD.
6. Write the advantage of using LC3KAT inhibitor and disadvantage of Dipyridamole in the treatment of angina.
7. Write short note on the special feature of the inhaled corticosteroids are used for the treatment of asthma.

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GROUP - C  $5 \times 8 = 40$

Answer any *eight* questions from Group - C.

1. What is potassium sparing diuretic? Describe the mechanism of actions of different types of potassium sparing diuretics.
2. What is angiotensin? Mention its synthesis and physiological role. Describe different types of drug acts on renin angiotensin system.
3. What is asthma? Describe the approaches to the treatment of asthma. Describe in details about the pharmacology of Nitrates.
4. Classify anti-arrhythmic drug with their mechanism of actions.
5. Describe in brief about the management of myocardial infarction.
6. Write briefly about the gross pharmacology of calcium channel blocker, potassium channel opener.
7. Describe in brief about the cause and management of congestive heart failure.

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8. Briefly describe the different phases of clinical trial conducted in new drug application.
9. Describe in details about the pharmacology of Mucolytics, antitussive agents.

GROUP - D  $3 \times 10 = 30$

Answer any *three* questions from Group - D.

1. What are the different hypertensions? Classify antihypertensive agents according to their mechanism of actions with examples of each class. Write a short note on antihypertensive drugs used in pregnancy.  $10$
2. What is asthma? Describe the approaches to the treatment of asthma. Describe in brief about the approval process to get a new drug in the market.  $6+4=10$
3. Classify diuretics with examples and mechanism of each class. Describe different types of bioassay with an example of drugs.  $6+4=10$

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(4)

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4. Write the gross pharmacology of the following groups of drug :  $2.5 \times 4 = 10$ 
  - (a) Membrane stabilizing agents
  - (b) Osmotic diuretics
  - (c) Second generation antihistaminics
  - (d) High ceiling diuretics.

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(5)

120(G)