

FINAL EXAM  
DECEMBER 2016

NATIONAL BOARD OF EXAMINATIONS

**PHARMACOLOGY****PAPER – II**

PHARM/D/16/34/II

Time : 3 hours

Max. Marks : 100

**Important instructions:**

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

1. a) Mention the various classes of anti-depressant drugs along with examples for each class. 4+(2+2+2)  
b) Enumerate the mechanism(s) of actions, uses and side effects of TCAs.
2. a) Pharmacotherapy of MDR & XDR tuberculosis. 5+5  
b) Adverse effects, precautions and important drug interactions of rifampicin.
3. Principle, applications and limitations of: 5+5  
a) HPLC  
b) ELISA
4. a) Enumerate dual PPAR agonists. 2+(3+2+3)  
b) Mechanisms of action, advantages and therapeutic potential of dual PPAR agonists.
5. a) Enumerate the different preparations and advantages of newer insulins. 5+5  
b) Role of incretin based therapy for diabetes mellitus.
6. a) Uses and side effects of chloroquine. (2+2)+6  
b) Pharmacotherapy of chloroquine resistant malaria.
7. a) Mechanism of action, uses and side effects of NSAIDs. (2+2+2)+4  
b) Enumerate DMARDs used in rheumatoid arthritis.
8. a) Classify drugs used in the treatment of bronchial asthma. 4+(2+2+2)  
b) Advantages, precautions and side effects of inhalational therapy in bronchial asthma.
9. a) Pharmacotherapy of CHF. 5+5  
b) Role of Angiotensin Receptor Neprilysin Inhibitor (ARNI) in CHF.
10. a) Mechanism of action and uses of corticosteroids. (2+4)+4  
b) Side effects of long term corticosteroid therapy.

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