

PHARMACOLOGY

PAPER - III

PHARM/D/13/34/III

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.

1. Discuss the neuroendocrine basis of obesity. Describe the pharmacological management along with recent advances for management of obesity. 3+(3+4)
2. Describe the term 'selective progestin receptor modulators', giving examples. Describe their pharmacological profile and their applications in clinical practice. (2+2)+(3+3)
3. Define drug dependence. Discuss the dynamics of drug dependence. What are the principles in treatment of drug dependence? 3+3+4
4. Describe "Pharmaco economics". Discuss briefly the parameters used for estimating them. 2+8
5. Discuss the etiopathogenesis, management and recent advances for treatment of Alzheimer's disease. 3+3+4
6. Enumerate the drugs used for treatment of enteric fever. Describe their mechanism of action. Discuss the management of enteric fever. 3+3+4
7. Discuss the pathophysiology of angina pectoralis. Discuss the pharmacological basis of undesirable effects of the use of β -blockers in angina pectoralis. Describe briefly the metabolic modulator (pFOX inhibitors) useful in treatment of angina pectoralis. 2+4+4
8. Describe Phase IV clinical trial and 'post marketing surveillance'? What are the prerequisites, objectives and methodology for conducting post marketing surveillance for a new drug? (2+2)+(2+2+2)
9. What are cytokine inhibitors? Discuss briefly their mechanism of action, uses and adverse effects. 2+(2+3+3)
10. Enumerate the drugs used for gastro-esophageal reflux disease (GERD). Describe the pharmacological basis for their usage. Discuss briefly the recent advances for treatment of GERD. 3+4+3
