

**PHARMACOLOGY**

PAPER – II

PHARMA/D/15/34/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) Drugs used in eradication of H.pylori infection. b) Adverse effects and precautions while using bismuth.	5+(3+2)
2.	a) Selective Cox-2 inhibitors. b) What are the advantages over non selective Cox inhibitors? c) Elaborate evidence of cardiovascular risk associated with Cox-II inhibitor.	3+3+4
3.	a) How low dose aspirin is useful in coronary artery disease? b) Mechanism of action, adverse effects and precautions while using aspirin.	4+(2+2+2)
4.	a) Classify hypolipidemic agents. b) Mechanisms of action of statins. c) Enumerate adverse effects and precautions during use of statins. d) Pleotropic effects of statins.	2+2+(2+2)+2
5.	a) Classify anti-epileptic drugs. b) Mechanism of action and therapeutic use of phenytoin. c) Treatment of status epilepticus.	2+(2+2)+4
6.	a) Classify antiviral drugs. Write the current guidelines regarding treatment of HIV infections. b) Mechanism of action and adverse effects of efavirenz.	(2+3)+(3+2)
7.	a) Mention immuno suppressive agents. b) Mechanism of action, adverse effect and use of cyclosporine.	3+(2+2+3)
8.	Principle and uses of: a) Spectrophotometer b) LCMS.	5+5
9.	a) Molecular adaptations responsible for opiate withdrawal. b) Role of various agents used in opiate withdrawal.	5+5
10.	a) First line and second line drugs used in tuberculosis. b) Adverse effect, drug interactions and precaution of Rifampicin and its analogs.	4+6

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