PHARMACOLOGY

PAPER – 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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