



**U-4012**  
**Second Year M. B. B. S. Examination**  
**January - 2012**  
**Pharmacology : Paper - II**

Time : 2 Hours]

[Total Marks : 40

**Instructions :**

(1)

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Seat No. :

**771-10-17**

Student's Signature

- (2) Write to the point.
- (3) Give suitable examples and draw diagrams if necessary.

1 Answer the following briefly :

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- (i) By which mechanism aspirin act as an antiplatelet aggregatory agent ?
- (ii) Explain redistribution of thiopentone sodium.
- (iii) Why oxytocin is used for induction of labour and not ergometrine ?
- (iv) Name two drugs useful in treatment of neurocysticercosis.
- (v) What is recrudescence ? How will you prevent it ?
- (vi) Name four centrally acting skeletal muscle relaxants.
- (vii) Mention antidotes of - Morphine and diazepam.
- (viii) Define MIC of antimicrobial agent. How is it derived ?
- (ix) What is the dosage of colchicine in acute gout ?

U-4012]

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- 2 Answer any three of the following : 9
- (i) What is an anabolic steroid ? Give their side effects and rational uses.  
Enlist various antithyroid agents. Mention mechanism of action, advantages and disadvantages of  $^{131}\text{I}$ .
  - (iii) Classify antipsychotics. Describe ADRs and uses of haloperidol.
  - (iv) Which are various antidepressant ? Mention mechanism of action, ADRs and uses of any one of them.
  - (v) What is DNA recombinant technique ? Describe various preparations of insulin with their advantages.
- 3 Answer any four of the following : 12
- (i) Enlist various antiparkinsonian drugs. Describe plan of therapy for elderly male patient of parkinsonism.
  - (ii) Classify various drugs for malaria. Outline drug treatment for cerebral malaria.
  - (iii) Enumerate various general anaesthetic agents. Compare and contrast nitrous oxide and halothane.
  - (iv) Mention drugs useful in the treatment of enteric fever. Describe ADRs and uses of any two of them.
  - (v) Which drugs are useful for leprosy ? Describe ADRs and uses of each drug you mention.
- 4 Answer any two of the following : 10
- (i) Discuss therapeutic uses of glucocorticoids. Mention ADRs of prednisolone when used for long term therapy.  
Describe various factors affecting choice of an antimicrobial agent.
  - (iii) Classify antimicrobial agents according to their spectrum. Describe mechanism of action, uses and ADRs of gentamicin.