



U-4012

Second Year M. B. B. S. Examination

January - 2012

Pharmacology : Paper - II

Time : 2 Hours]

[Total Marks : 40

Instructions :

(1)

नीचे दशांश देव - विज्ञान-नीचाणी विज्ञानो उत्तरवर्ती पर अवश्य लपनी.  
Fillup strictly the details of signs on your answer book.

Name of the Examination :  
SECOND YEAR M. B. B. S.

Name of the Subject :  
PHARMACOLOGY : PAPER - 2

Subject Code No. : 4 0 1 2 Section No. (1, 2,.....) : Nil

Seat No. :

Student's Signature

(2) Write to the point.

(3) Give suitable examples and draw diagrams if necessary.

- 1 Answer the following briefly : 9
- By which mechanism aspirin act as an antiplatelet aggregatory agent ?
  - Explain redistribution of thiopentone sodium.
  - Why oxytocin is used for induction of labour and not ergometrine ?
  - Name two drugs useful in treatment of neurocysticercosis.
  - What is recrudescence ? How will you prevent it ?
  - Name four centrally acting skeletal muscle relaxants.
  - Mention antidotes of - Morphine and diazepam.
  - Define MIC of antimicrobial agent. How is it derived ?
  - What is the dosage of colchicine in acute gout ?

2 Answer any three of the following : 9

- (i) What is an anabolic steroid ? Give their side effects and rational uses.
- (ii) 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.
- (ii) 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.

4 Answer any two :

10

- (1) What is artemisinin combination therapy (ACT) ?  
Explain the rationale for combining the drugs in ACT to treat malaria. State any two ACT regimens available in India.
- (2) Describe in short the drug therapy of thyrotoxicosis.
- (3) Write pharmacotherapy of insomnia.