



Second Year M. B. B. S. Examination

December – 2016

Pharmacology : Paper - I

Time : 2 Hours]

[Total Marks : 40]

Instructions :

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-**श्री छात्र/श्री (श्री/श्रीमती) विद्यार्थी विभागकी परीक्षा भरना के लिये,**
 Fill up steadily the details of signs on your answer book.
 Name of the Examination : **Second Year M. B. B. S.**
 Name of the Subject : **Pharmacology : Paper - 1**
 Subject Code No. : **4 0 1 1** Section No. (1, 2,) : **1&2**

Seat No. :

Student's Signature :

- (2) Answer must be brief, precise and to the point.
- (3) Always give suitable examples and draw figures where necessary.

SECTION – I

- 1 Answer very briefly :

 - (1) Explain the phenomenon of redistribution using a suitable example.
 - (2) State the main uses of propantheline and dicyclomine.
 - (3) Mention two types of receptor antagonism with one example for each.
 - (4) Give two examples of skeletal muscle relaxants. Give two indications of their use.
 - (5) Name two drugs each obtained from plant and animal source respectively and one therapeutic use of each drug.
 - (6) Enumerate two advantages and two disadvantages of intramuscular route of drug administration.

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- (7) Enumerate the indications of therapeutic drug monitoring.
- (8) Why subcutaneous route of adrenaline is not preferred in anaphylactic shock ? Which route is preferred ?
- (9) Explain iatrogenic disease giving suitable example.
- (10) Give two examples of fixed dose combinations that you consider rational. Give justification for any one.

2 Answer any four :

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- (1) Describe briefly with examples : (1) Therapeutic Window Phenomenon (2) Tachyphylaxis.
- (2) Compare and contrast : Dopamine and Dobutamine.
- (3) Write in short the pharmacological basis for the use of prostaglandin analogues in glaucoma.
- (4) Enumerate therapeutic uses and adverse effects of β Blockers.
- (5) Write in short on nasal decongestants.

SECTION - II

3 Answer any four :

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- (1) Describe in short therapeutic uses, adverse effects and mechanism of action of warfarin.
- (2) Define "Prokinetic". Describe mechanism of action and adverse effects of metoclopramide.
- (3) Compare and contrast : Heparin and Low Molecular Weight Heparins.
- (4) Justify the use of omeprazole in peptic ulcer, mentioning details of administration and important adverse effects.
- (5) Write pharmacotherapy of acute bronchial asthma.

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4 Answer any two :

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- (1) Describe briefly, therapeutic uses and adverse effects of digitalis.
- (2) Classify diuretics. Describe the adverse effect profile of diuretics.
- (3) Describe ACE Inhibitors.

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