



M-4011
Second M. B. B. S. Examination
June / July - 2015
Pharmacology : Paper - I

Time : Hours]

[Total Marks : 40

Instructions :

(1)

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| <p>दीर्घ उत्तरों के लिए विस्तारपूर्वक विवरण देना आवश्यक है। Fill up strictly the details of signs on your answer book.</p> <p>Name of the Examination : SECOND M.B.B.S.</p> <p>Name of the Subject : PHARMACOLOGY : PAPER - I</p> <p>Subject Code No. : 4 0 1 1 Section No. (1, 2,.....) : Nil</p> | <p>Seat No. : □ □ □ □ □ □ □ □</p> <p>Student's Signature</p> |
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- (2) Answer must be precise, brief and to the point.
(3) Always give suitable examples.

- 1 Answer very briefly. 9
- (a) What is Prototype drug ?
 - (b) Define steady state concentration of a drug.
 - (c) Why mannitol is not given in pulmonary edema ?
 - (d) Mention two advantages of inhalation route of administration of a drug.
 - (e) Mention one difference between atropine and tropicamide.
 - (f) Why iron and folic acid are prescribed in pregnancy even when Lady is not anaemic ?
 - (g) Define tolerance.
 - (h) Why codeine is not recommended for symptomatic treatment of productive cough ?
 - (i) Why administration of enalapril and spironolactone is not recommended simultaneously ?

- 2 Answer any three : 9
- (a) Enumerate various drugs from different categories for bronchial asthma. Describe their mode of administration.
 - (b) Enumerate various anticoagulants. Describe briefly the side effects / precautions when anticoagulants are used.
 - (c) Define therapeutic index. Explain briefly and with the help of diagram this concept.
 - (d) Describe briefly the significance of plasma protein binding.

- 3 Answer any four. 12
- (a) Enumerate various statins. Describe briefly the mechanism of action; therapeutic uses and side effects of the same.
 - (b) Describe with examples the concept of first order and zero - order kinetic of metabolism.
 - (c) Enumerate various ferrous salts with their respective percentage of elemental iron. Describe the status of SRP of iron in therapeutics.
 - (d) Enumerate various anti - diarrhoeal drugs from different categories. Describe mechanism of action and therapeutic uses of one of them.
 - (e) Describe with examples the concept of fixed-dose drug combination.

- 4 Answer any two. 10
- (a) Classify parasympathomimetic drugs. Describe various therapeutic uses of these drugs.
 - (b) Enumerate various sympathomimetic drugs. Describe the therapeutic uses of the same.
 - (c) Enumerate various drugs from different categories for angina. Describe briefly the mechanism of action of nitrates for classical angina (Avoid the molecular mechanism.)