

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

Time : Hours]

[Total Marks : 40

Instructions :

(1)

●●●●●●●● ●●●●●●●● ●●●●●●●● ●●●●●●●● Fill up strictly the details of ●● signs on your answer book.		Seat No. :
Name of the Examination :		
●● SECOND M.B.B.S. ●●		
Name of the Subject :		
●● PHARMACOLOGY : PAPER - I ●●		
●● Subject Code No. : 4 0 1 1 ●●	●● Section No. (1, 2, ...) : Nil ●●	Student's Signature

(2) Answer must be precise, brief and to the point.

(3) Always give suitable examples.

1 Answer very briefly.

9

- What is Prototype drug ?
- Define steady state concentration of a drug.
- Why mannitol is not given in pulmonary edema ?
- Mention two advantages of inhalation route of administration of a drug.
- Mention one difference between atropine and tropicamide.
- Why iron and folic acid are prescribed in pregnancy even when Lady is not anaemic ?
- Define tolerance.
- Why codeine is not recommended for symptomatic treatment of productive cough ?
- Why administration of enalapril and spironolactone is not recommended simultaneously ?

M-4011]

1

[Contd...



- 2 Answer any three : 9
- Enumerate various drugs from different categories for bronchial asthma. Describe their mode of administration.
 - Enumerate various anticoagulants. Describe briefly the side effects / precautions when anticoagulants are used.
 - Define therapeutic index. Explain briefly and with the help of diagram this concept.
 - Describe briefly the significance of plasma protein binding.
- 3 Answer any four. 12
- Enumerate various statins. Describe briefly the mechanism of action; therapeutic uses and side effects of the same.
 - Describe with examples the concept of first order and zero - order kinetic of metabolism.
 - Enumerate various ferrous salts with their respective percentage of elemental iron. Describe the status of SRP of iron in therapeutics.
 - Enumerate various anti - diarrhoeal drugs from different categories. Describe mechanism of action and therapeutic uses of one of them.
 - Describe with examples the concept of fixed-dose drug combination.
- 4 Answer any two. 10
- Classify parasympathomimetic drugs. Describe various therapeutic uses of these drugs.
 - Enumerate various sympathomimetic drugs. Describe the therapeutic uses of the same.
 - Enumerate various drugs from different categories for angina. Describe briefly the mechanism of action of nitrates for classical angina (Avoid the molecular mechanism.)