


R-3714
Second Year M. B. B. S. Examination
June / July - 2018
Pharmacology : Paper - I
Time : 2 Hours]
[Total Marks : 40
Instructions :
(1)

Fill up strictly the details of signs on your answer book. Name of the Examination : S. Y. M. B. B. S.		Seat No. : <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Name of the Subject : PHARMACOLOGY : PAPER - 1		Student's Signature <input type="text"/>
Subject Code No. : 3 7 1 4	Section No. (1, 2, ...) : 1&2	

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

SECTION - I

- 1 Answer the following : 10
- Mention two advantages of LMW heparin over heparin.
 - Explain physiological antagonists giving suitable example.
 - Physostigmine is preferred to neostigmine for treating atropine poisoning. Give reasons.
 - Liquid paraffin is preferred in constipation during pregnancy. Give reasons.
 - Name two teratogenic drugs.
 - Enumerate two uses of alpha blockers.
 - Give two examples of centrally acting muscle relaxants.
 - Give WHO definition of drug. Write two advantages of drugs prescribed by generic name.
 - Define first pass metabolism. How first pass metabolism can be bypassed (avoided)?
 - Name two uses of fibrinolytic therapy other than for myocardial infarction.

R-3714]
1
[Contd....

- 2 Answer any **four** of the following : 8
- Discuss the mechanism of action & adverse effects of ACE inhibitors.
 - Enumerate the contraindications to beta blockers.
 - Write a short note on aliskiren.
 - Write a note on rational use of medicine.
 - Describe "zero order kinetics" and "first order kinetics" of drug elimination. With suitable examples describe their clinical importance.

SECTION - II

- 3 Answer any **four** of the following : 12
- Discuss the indications and adverse effects of parenteral iron therapy.
 - Classify hypolipidemic agents. Explain the mechanism of action, uses and adverse effects of HMG-CoA enzyme reductase inhibitor.
 - Discuss the therapeutic application of prostaglandins.
 - Enumerate various drugs from different categories for treatment of angina. Describe how nitrates alter oxygen handling by the heart (Exclude molecular mechanism of drug).
 - Discuss drug antagonism. Compare and contrast competitive and noncompetitive antagonists.
- 4 Answer any **two** of the following : 10
- Classify diuretics according to their site of action on nephron. Discuss the uses and adverse effects of furosemide.
 - Classify anti-cholinesterases. Describe the pharmacotherapy of organophosphorous poisoning.
 - Enumerate the various drugs for bronchial asthma with their mechanism of action and side effects.