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R-3714

Second Year M. B. B. S. Examination

June / July - 2018

Pharmacology : Paper - I

Time : 2 Hours]

[Total Marks : 40

Instructions :

(1)

नीचे दृष्टवित् नलशानीवाणी वलगतु उतारवडी पर अवरश्य वपनी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
S. Y. M. B. B. S.

Name of the Subject :
PHARMACOLOGY : PAPER - 1

Subject Code No. : 3 7 1 4 Section No. (1, 2,.....): 1&2

Seat No. :

Student's Signature

- (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.

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[Contd.....

- 2 Answer any **four** of the following : 8
- (a) Discuss the mechanism of action & adverse effects of ACE inhibitors.
 - (b) Enumerate the contraindications to beta blockers.
 - (c) Write a short note on aliskiren.
 - (d) Write a note on rational use of medicine.
 - (e) 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
- (a) Discuss the indications and adverse effects of parenteral iron therapy.
 - (b) Classify hypolipidemic agents. Explain the mechanism of action, uses and adverse effects of HMG-CoA enzyme reductase inhibitor.
 - (c) Discuss the therapeutic application of prostaglandins.
 - (d) Enumerate various drugs from different categories for treatment of angina. Describe how nitrates alter oxygen handling by the heart (Exclude molecular mechanism of drug).
 - (e) Discuss drug antagonism. Compare and contrast competitive and noncompetitive antagonists.
- 4 Answer any **two** of the following : 10
- (a) Classify diuretics according to their site of action on nephron. Discuss the uses and adverse effects of furosemide.
 - (b) Classify anti-cholinesterases. Describe the pharmacotherapy of organophosphorous poisoning.
 - (c) Enumerate the various drugs for bronchial asthma with their mechanism of action and side effects.