



JJ-M201722

Seat No. _____

Second Year M. B. B. S. Examination

July – 2019

Pharmacology : Paper - I

Time : 2 Hours]

[Total Marks : 40

Instructions :

- (1) Figure to the right indicate full marks.
- (2) Use separate answer book for each section.
- (3) Write precise and legible answer.

SECTION - I (20 Marks)

- 1 Answer any one of the following : 8
 - (a) Describe various types of drug antagonism with suitable examples.
 - (b) Classify non-steroidal anti-inflammatory drugs. Describe mechanism of action, therapeutic uses and adverse effects of aspirin.

- 2 Write short notes on any two of the following : 6
 - (a) Therapeutic uses of β -blockers
 - (b) Atypical antipsychotics
 - (c) Pharmacovigilance.

- 3 Answer in brief : 6
 - (a) Enumerate second messengers of G-protein coupled receptors.
 - (b) Explain. Neostigmine is preferred over physostigmine in myasthenia gravis.
 - (c) Why atropine should be cautiously administered in elderly patient ?
 - (d) What is the rationale for use of sodium bicarbonate in barbiturate poisoning ?
 - (e) Explain. Local anaesthetics are less effective in infected area.
 - (f) Name four nasal decongestants.

SECTION - II (20 Marks)

- 4** Answer any one of the following : **8**
- (a) Classify antianginal drugs. Write pharmacotherapy of myocardial infarction.
 - (b) Classify anticoagulants. Describe mechanism of action, therapeutic uses and drug interactions of warfarin.
- 5** Write short notes on any two of the following : **6**
- (a) Dentrolene
 - (b) Potassium sparing diuretics
 - (c) Levodopa + Carbidopa combination.
- 6** Answer in brief : **6**
- (a) Give reason. Daily dose of simvastatin is usually given at night.
 - (b) Enumerate four side effects of captopril.
 - (c) List four different groups of drugs with one example in each used in congestive heart failure.
 - (d) Mention four indications of parenteral iron therapy.
 - (e) Write mechanism of action of streptokinase.
 - (f) Why mannitol is contraindicated in pulmonary oedema ?
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