



**BBK-02012138**

Seat No. \_\_\_\_\_

**Second Year M. B. B. S. Examination**

**July - 2021**

**Pharmacology : Paper-1**

Time : 2 Hours]

[Total Marks : 40

- Instructions :** (1) Write answer to each section in separate answer books  
(2) Legible and precise answer will be appreciated

**SECTION- I**

**(20)**

- 1** Answer any one of the following : **8**
- (a) Classify Non-steroidal antiinflammatory drugs. Write the mechanism of action, therapeutic uses and adverse effects of aspirin.
  - (b) Classify anticholinergic drugs. Write the pharmacological actions, therapeutic uses and adverse effects of atropine.
- 2** Write any two of the following : **6**
- (a) Drug antagonism
  - (b) Preanaesthetic medication
  - (c) Disease modifying antirheumatic drugs (DMARDs)
- 3** Answer in brief : **6**
- (a) What is First pass metabolism? Mention its clinical significance.
  - (b) Write the name of drug with its route of administration for the treatment of status epilepticus.
  - (c) What is Zero-order kinetics? Give one example.
  - (d) Mention two uses and two adverse effects of Carbamazepine
  - (e) Name two drugs that have low therapeutic index.
  - (f) Name two drugs for the treatment of acute congestive glaucoma.

**SECTION- II**

**(20)**

- 4** Answer any one of the following : **8**
- (a) Classify antihypertensives. Write the mechanism of action, uses and adverse effects of Angiotensin Converting Enzyme inhibitors (ACE Inhibitors).
  - (b) Classify antiparkinsonism drugs. Write the mechanism of action and adverse effects of levodopa.
- 5** Write any two of the following : **6**
- (a) Nitroglycerine
  - (b) Oral iron preparations
  - (c) Fibrinolytics
- 6** Answer in brief : **6**
- (a) Write the mechanism of antiplatelet action of aspirin.
  - (b) What is the basis of use of dopamine in cardiogenic shock.
  - (c) Name two oral anticoagulants and its two uses.
  - (d) Name two potassium sparing diuretics and two loop diuretics.
  - (e) Write two extracardiac and two cardiac adverse effects of digoxin.
  - (f) What is the basis of use of mannitol in increased intracranial tension.
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