



**N-2006000102030002**

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

**June / July - 2021**

**Pharmacology : Paper - II**

Time : 2 Hours]

[Total Marks : 40

**Instructions :**

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરપત્રી પર અવશ્ય લખવી. Fillup strictly the details of signs on your answer book. Name of the Examination : Second Year M. B. B. S. Name of the Subject : Pharmacology : Paper - II Subject Code No. : 2 0 0 6 0 0 0 1 0 2 0 3 0 0 0 2 Section No. (1, 2,...): 1&2		Seat No. : <table border="1"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>						
		Student's Signature						

**SECTION - I**

- 1 Answer the following. 1×10=10
- Explain why a single dose of Penicillin G administered may prove fatal in some patients although it has high therapeutic index?
  - Name two antibiotics which can be safely used in hepatic failure.
  - Name one anabolic steroids and mention its therapeutic use.
  - Give two reasons for preferring Albendazole to Praziquantel in treatment of neurocysticercosis.
  - Why is ethambutol not used in children below six years?
  - Explain why local anesthetics occasionally fail to control pain sensation in inflamed tissue.
  - Explain why pentazocine is avoided in morphine addicts?
  - Mention two selective estrogen receptors modulators (SERM) with their therapeutic uses.
  - Name two antiviral agents used in the treatment of COVID 19 disease.
  - Explain the terms 'Antiseptic' and 'Disinfectant' with examples.

- 2** Answer any **four** of the following. **2×4=8**
- (a) Explain pharmacological basis of Disulfiram reaction and write name of two most common drugs causing it.
  - (b) Enumerate two insulin analogues and mention their advantage over other type of insulins.
  - (c) Describe concept of pre anesthetic medications with examples of at least two agents used for it.
  - (d) Enumerate the adverse effects and contraindications of glucocorticoids.
  - (e) Explain the pharmacological basis of use of Morphine in acute left veritticular failure.

## SECTION - II

- 3** Answer any **four** of the following. **3×4=12**
- (a) Classify oral antidiabetic agents. Describe mechanism of action and adverse effects of Biguanides.
  - (b) Enlist Fluroquinolones and describe mechanism of action and therapeutic uses of the same.
  - (c) Classify various drugs for Parkinsonism. Give rational behind combining levodopa and benserzide. Mention various adverse effects observed during levodopa therapy.
  - (d) Classify various anti-malarial drugs, write therapeutic uses and adverse effects of Chloroquine.
  - (e) Enumerate various adverse effects of anti-cancer drug therapy in general and describe various strategies to prevent or decrease them.
- 4** Answer any two of the following. **5×2=10**
- (a) Classify anti rheumatoid drugs. Describe mechanism of action, adverse effects and current clinical status of Disease Modifying antirheumatic drugs (DMARDs).
  - (b) Classify antithyroid drugs. Describe the mechanism of action and adverse effects of (a) Carbimazole, (b) Radioactive Iodine.
  - (c) Give various ways of classification of antimicrobial agents giving suitable examples. Describe various reasons leading to failure of chemotherapy.