



RAN-2106121201010001

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**M.D. (Sem. Final) Examination June - 2023**

**Pharmacology (Paper I)**

**General Pharmacology and Applied Sciences**

**Time: 3 Hours ]**

**[ Total Marks: 100**

**सूचना : / Instructions**

(१) नीचे दृष्टविले निशानीवाणी विगतो उत्तरवली पर अवश्य लभवी.  
Fill up strictly the details of signs on your answer book

Name of the Examination:  
M.D. (Sem. Final)

Name of the Subject :  
Pharmacology (Paper I) General Pharmacology and Applied sciences

Subject Code No.: 2106121201010001

Seat No.:

Student's Signature

- (2) All questions are compulsory.  
(3) Figures to the right indicate maximum marks.  
(4) Illustrate your answers with examples and figures/diagrams if needed

1. Discuss in detail modulators of  $\beta$  adrenergic receptors. 40
2. Describe in brief: [15 x 2] = 30  
a) G- Protein coupled receptors  
b) Pharmacovigilance in India
3. Write short notes on: [10 x 3] = 30  
a) Otto Loewi  
b) Ethnopharmacology  
c) Kinetics of elimination

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**M. D. (Sem. Final) Examination June - 2023**

**Pharmacology (Paper II)**

**Systemic Pharmacology, Chemotherapy & Therapeutics**

**Time: 3 Hours ]**

**[ Total Marks: 100**

**સૂચના : / Instructions**

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.  
Fill up strictly the details of signs on your answer book

Name of the Examination:

M. D. (Sem. Final)

Name of the Subject :

Pharmacology (Paper II) Systemic Pharmacology,  
Chemotherapy & Therapeutics

Subject Code No.: 2106121201020001

Seat No.:

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Student's Signature

- (2) All questions are compulsory.
- (3) Figures to the right indicate maximum marks.
- (4) Illustrate your answers with examples and figures/diagrams if needed.

1. Classify fluoroquinolones. Describe their mechanism of action, clinical uses & ADRs in detail. 40
  
2. Describe in brief: [15 x 2] = 30
  - a) Antiretroviral therapy
  - b) Digoxin: mechanism of action, ADRs & therapeutic status
  
1. Write short notes on: [10 x 3] = 30
  - a) 'AWaRe' guideline
  - b) Phenytoin sodium
  - c) Principles of therapeutics

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**M. D. (Sem. Final) Examination June - 2023**

**Pharmacology (Paper III)**

**Experimental Pharmacology, Bioassay, Biostatistics  
& Systemic Pharmacology**

**Time: 3 Hours ]**

**[ Total Marks: 100**

**સૂચના : / Instructions**

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.  
Fill up strictly the details of signs on your answer book

Name of the Examination:

M. D. (Sem. Final)

Name of the Subject :

Pharmacology (Paper III) Experimental Pharmacology,  
Bioassay, Biostatistics & Systemic Pharmacology

Subject Code No.: 2106121201030001

Seat No.:

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Student's Signature

- (2) All questions are compulsory.
- (3) Figures to the right indicate maximum marks.
- (4) Illustrate your answers with examples and figures/diagrams if needed.

1. Describe experimental models for anti-inflammatory agents screening. **40**
2. Describe in brief: **[15 x 2] = 30**
  - a) Glucocorticoids: Uses & misuses
  - b) Fibrinolytics in therapeutics
3. Write short notes on: **[10 x 3] = 30**
  - a) Students' 't' test
  - b) Four-point assay
  - c) DMARDs

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**M.D. (Sem. Final) Examination June - 2023**

**Clinical Pharmacology and Recent Advances (Paper IV)**

**Time: 3 Hours ]**

**[ Total Marks: 100**

**સૂચના : / Instructions**

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

Fill up strictly the details of signs on your answer book

Name of the Examination:

M.D. (Sem. Final)

Name of the Subject :

Clinical Pharmacology and Recent Advances (Paper IV)

Subject Code No.: 2106121201040001

Seat No.:

Student's Signature

- (2) All questions are compulsory.
- (3) Figures to the right indicate maximum marks.
- (4) Illustrate your answers with examples and figures / diagrams if needed.

1. Newer development in treatment of diabetes mellitus. 40
2. Describe in brief: [15 x 2] = 30
  - a) Novel drugs in the treatment of bronchial asthma
  - b) Pharmacogenetics
3. Write short notes on: [10 x 3] = 30
  - a) Competency based medical education
  - b) Botulinum toxin: Boon or bane?
  - c) Emerging trends in vaccination

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