

M. D. (Pharmacology) Examination April - 2022

Paper - I: General Pharmacology & Applied Sciences

Time: 3 Hours]	[Total Marks: 100
Instruction:	
(1)	
નીચે દર્શાવેલ → નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fillup strictly the details of → signs on your answer book. Name of the Examination : M. D. (Pharmacology) Name of the Subject : Paper - I : General Pharmacology & Applied Sciences Subject Code No.:	Seat No.: Student's Signature
 (2) All questions are compulsory. (3) Figures to the right side indicate maximum (4) Illustrate your answers with examples and needed. 	
Explain the mechanism of action of drugs the neurotransmission of noradrenaline. Dr diagrams to support the answer.	
2 Describe briefly :	30
(i) Drug therapy in geriatrics	
(ii) Bioequivalence and its importance in	therapy
Write short notes on: (i) Sir Henry Dale (ii) H ₁ receptor blockers	30
(iii) Pharmacotherapy of benign prostatic l	hyperplasia.



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Paper - II : Systemic Pharmacology, Chemotherapy & Therapeutics

Time: 3 Hours [Total Marks: 100

Instruction:

(1)	Coat No.
નીચે દર્શાવેલ 🖝 નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fillup strictly the details of 🖝 signs on your answer book. Name of the Examination :	Seat No.:
◆ M. D. (Pathology)	
Name of the Subject :	
Paper-II : Systemic Pharmacology, Chemotherapy & Therapeutics	
Subject Code No.:	Student's Signature
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- (2) All questions are compulsory.
- (3) Figures to the right side indicate maximum marks.
- (4) Illustrate your answers with examples and figures/diagrams if needed.
- Explain in detail about pathophysiology, and therapeutic 40 basis of drugs used in management of Congestive Heart Failure (CHF).
- 2 Describe each of the following:

30

- (a) Mechanism of action and uses of Aspirin.
- (b) Pharmacotherapy for Schizophrenia.
- 3 Write short notes on:

30

- (a) Drugs for Obesity
- (b) Pharmacotherapy of Covid-19 infection
- (c) Laws and rules related to drugs.



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Paper - III : Experimental Pharmacology, Bioassay, Biostatistics & Systemic Pharmacology

Time	e: 3 Hours]	[Total Marks: 100
(1) -िर्वि	ruction: i દર્શાવેલ → નિશાનીવાળી વિગતો ઉત્તારવહી પર અવશ્ય લખવી. lup strictly the details of → signs on your answer book. me of the Examination: I. D. (Pharmacology) me of the Subject: aper - III: Experiment. Pharma., Bioassay, Biostat. & Sys. Pharm. bject Code No.:	Seat No.:
		Students Signature
(2) (3) (4)	All questions are compulsory. Figures to the right side indicate maximularity your answers with examples and needed. Discuss Evaluation methods of Anti-depression	d figures/diagrams if
2	Describe each of the following:	30
	(a) Randomization.	
	(b) Define Bioassay and describe various ty	pes of bio assay.
3	Write short note on:	30
	(a) Principles of treatments of IBD (syndrome).	irritable bowel
	(b) Use of Statins for new therapeutic ta	argets (strategy)

(c) Students-t test.



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Clinical Pharmacology & Recent Advances : Paper - IV

Time: 3 Hours [Total Marks: 100

Instruction:

(1) નીચે દર્શાવેલ ❤ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fillup strictly the details of ❤ signs on your answer book. Name of the Examination :	Seat No.:
M. D. (Pharmacology) Name of the Subject:	
Clinical Pharmacology & Recent Advances : Paper - IV	
Subject Code No.: Section No. (1, 2,): NIL 2 1 0 6 1 2 1 2 0 1 0 4 0 0 1	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 monoclonal antibodies as therapeutic agents. 40
- 2 Describe: 15×2=30
 - (a) Pharmacological management in Hypertensive crisis.
 - (b) Alzheimer's disease current and future drug therapy.
- Write short note on:

 $10 \times 3 = 30$

- (a) Micro dosing studies
- (b) Carrier based drug delivery.
- (c) Newer developments in insulin therapy.