

ડિપાર્ટમેન્ટ ઓફ ફાર્માકોલોજી Department Of Pharmacology

GMERS Medical College, Junagadh

Paddock road, Majewadi gate, Junagadh-362001 (Gujarat)

PAPER -1

Marks-40

- Paper-I will be divided into section-1 & section-2
- Each section carries 20 marks

(A) GENERAL PHARMACOLOGY

Introduction, Routes of administration, Pharmacokinetics (including absorption, bioavailability, distribution, biotransformation, elimination) Pharmacodynamics (including receptors as site of action, Different mechanisms of action, factors modifying, drug effects), clinical conditions, Adverse drug reactions & Pharmacovigilance, Therapeutic drug monitoring, Rational drug therapy, Clinical trials, Essential medicines, Orphan drugs, Introduction to prescription writing, P - drugs, Evaluation of Fixed-dose Drug Combinations, Prescriptions of different, Evaluation and Drug interactions.

(B) AUTONOMIC NERVOUS SYSTEM

Introduction, Adrenergic system, Cholinergic system, Skeletal muscle relaxants and drugs for Glaucoma.

(C) CENTRAL NERVOUS SYSTEM

Sedative and hypnotics, Antiepileptic, Opioid analgesics, Antipsychotic agents, Antidepressants, Antianxiety drugs, Antiparkinsonian agents, General anesthetic agents, Local anesthetics, Alcohols, Antiparkinsonian drugs.

(D) CARDIOVASCULAR SYSTEM

Diuretics, Antihypertensive agents, Antianginals, Drugs for congestive heart failure, Hypolipidemic agents, Antiarrhythmic agents, Drugs affecting renal function.

(E) BLOOD

Introduction to coagulation, Antiplatelet agents, Anticoagulants, Thrombolytics, Hemostatics, Drugs for iron deficiency and megaloblastic anaemias, Drugs acting on blood and blood forming agents.

FL 
Professor & Head
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Paper-2

Marks -40

- Paper-2 will be divided into section-1 & section-2
- Each section carries 20 marks

(A) ENDOCRINE SYSTEM

Anterior pituitary hormones, Thyroid and antithyroid drugs, Insulin and oral antidiabetic agents, Corticosteroids, Estrogen + Progesterone + Oral contraceptives, Antifertility agents, Ovulation including agents, Androgens, Antiandrogens, Anabolic steroids, Drugs affecting calcium balance, Drugs acting on uterus.

(B) ANTIMICROBIALS, ANTIFUNGALS, ANTIVIRAL AGENTS

Introduction, Sulfonamides, Cotrimoxazole, Urinary antiseptics, Quinolones and fluoroquinolones, Penicillin's, Cephalosporin's and other beta lactam antibiotics, Aminoglycosides, Tetracycline's, Chloramphenicol, Marcolides and miscellaneous agents, General considerations, Antimicrobial combination, Antifungal agents, Antiviral agents, Anticancer agents.

(C) SPECIFIC CHEMOTHERAPY

Antimicrobial agents, Antifungal agents, Anthelmintics and Anticancer drugs systemic Chemotherapy and Antiseptics, Chemotherapy of malaria, Tuberculosis, leprosy, Amoebiasis, Worm infestations.

(D) GASTRO-INTESTINAL SYSTEM

Antiemetics, Drugs for peptic ulcer.

(E) RESPIRATORY SYSTEM

Drugs for cough and bronchial asthma.

(F) AUTACOIDS

Histamine, Antihistaminics and drugs affecting serotonin(5HT), Other autocooids and their antagonists, NSAIDS Including Drug therapy of Rheumatoid arthritis, Gout.

(G) MISCELLANEOUS

Immunosuppressant Chelating agents, Vitamins, Vaccines and sera, Dermato Pharmacology.

FLC
Professor & Head
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Second Year M. B. B. S. University Examination
Pharmacology: Paper-I

Time: 2 Hours]

[Total Marks: 40

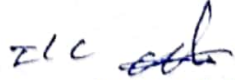
- Instructions:** (1) Write section-I and section-II in **separate** answer sheet.
(2) Figures to **right** indicate full marks.
(3) Write to the point and legibly.
(4) Draw neat & labeled diagrams wherever necessary.

SECTION-1

- | | |
|---|---|
| 1. Write any one of the following: | 8 |
| (a) | |
| (b) | |
| 2. Write any two : | 6 |
| (a) | |
| (b) | |
| (c) | |
| 3. Answer in brief: | 6 |
| (a) | |
| (b) | |
| (c) | |
| (d) | |
| (e) | |
| (f) | |

SECTION-2

- | | |
|---|---|
| 4. Write any one of the following: | 8 |
| (a) | |
| (b) | |
| 5. Write any two : | 6 |
| (a) | |
| (b) | |
| (c) | |
| 6. Answer in brief: | 6 |
| (a) | |
| (b) | |
| (c) | |
| (d) | |
| (e) | |
| (f) | |


Professor & Head
Department of Pharmacology
G. H. E. K. S. Medical College & Hospital
Junagadh

Second Year M. B. B. S. University Examination
Pharmacology: Paper-II

Time: 2 Hours]

[Total Marks: 40

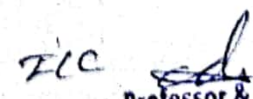
- Instructions:** (1) Write section-I and section-II in **separate** answer sheet.
(2) Figures to **right** indicate full marks.
(3) Write to the point and legibly.
(4) Draw neat & labeled diagrams wherever necessary.

SECTION-1

1. Answer any **one** of the following: 8
 - (a)
 - (b)
2. Write in short about any **two** of the following. 6
 - (a)
 - (b)
 - (c)
3. Answer in brief: 6
 - (a)
 - (b)
 - (c)
 - (d)
 - (e)
 - (f)

SECTION-2

4. Answer any **one** of the following: 8
 - (a)
 - (b)
5. Write in short about any **two** of the following: 6
 - (a)
 - (b)
 - (c)
6. Answer in brief: 6
 - (a)
 - (b)
 - (c)
 - (d)
 - (e)
 - (f)


Professor & Head
Department of Pharmacology
G.M.E.H.S. Medical College & Hospital
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ડિપાર્ટમેન્ટ ઓફ ફાર્માકોલોજી Department Of Pharmacology
જી.એમ.ઇ.આર.એસ. મેડિકલ કોલેજ, જુનાગઢ GMERS Medical College, Junagadh
પેડોક રોડ, મજેવડી ગેટ, જુનાગઢ-૩૬૨૦૦૧ (ગુજરાત),
Paddock road, Majewadi gate, Junagadh-362001 (Gujarat)

EXAMINATION PATTERN

Examination	Theory		MCQs	Viva	Practical	Internal Assessment		Total
						Theory	Practical	
I Internal Assessment	60		20	20	50	--	--	150
II Internal Assessment	60		20	20	50	--	--	150
Preliminary Examination	Paper I	Paper II	--	20	50	--	--	150
	40	40						
University Examination	Paper I	Paper II	--	15	25	15	15	150
	40	40						

FLC
Professor & Head
Department of Pharmacology
G.M.E.R.S. Medical College & Hospital
Junagadh

Dr. H.S. Amare
Professor & Head
Department of Pharmacology
G.M.E.R.S. Medical College & Hospital
Junagadh