



BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to Kakathiya University, Wgl)
Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331
Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

NIPER-GPAT-PGCET SESSIONS

GPAT Syllabus

GPAT syllabus contains 19 subjects in total which is further divided into various sub topics. Some of the important topics from GPAT syllabus are Pharmacology, Physical Chemistry, Physical Pharmacy etc. In all the questions will be framed from the syllabus.

To get an overall idea about the subject matter of all the topics of the syllabus, Aspirants need to go through the entire syllabus. GPAT Syllabus is designed for candidates who want to seek admission in the M.Pharm program.

GPAT Syllabus: Subject-wise Weightage

In the below table, subject wise number of questions along with the total marks are given.

Subject	Number of Questions	Maximum Marks
Pharmaceutical Chemistry.	38	152
Pharmaceutics.	38	152
Pharmacology.	28	112
Pharmacognosy.	10	40
Other Subjects	11	44

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GPAT Syllabus : Major Subjects

All the major subjects of GPAT Syllabus as follows.

1. Pharmacology
2. Physical Chemistry
3. Physical Pharmacy
4. Organic Chemistry
5. Dispensing and Hospital Pharmacy
6. Pharmaceutical Chemistry
7. Pharmaceutical Jurisprudence
8. Pharmaceutical Management
9. Pharmaceutics
10. Pharmaceutical Engineering
11. Pharmacognosy
12. Human Anatomy and Physiology
13. Pharmaceutical Analysis
14. Clinical Pharmacy and Therapeutics
15. Biochemistry
16. Biopharmaceutics and Pharmacokinetics
17. Biotechnology
18. Pathophysiology
19. Microbiology

GPAT Syllabus of Pharmacology

Subjects	Topics
Pharmacology	General Pharmacology, Principles of toxicology, Drugs acting on urinary system Pharmacology of peripheral nervous system Pharmacology of central nervous system Pharmacology of cardiovascular system Immunopharmacology Drugs acting on Respiratory system Pharmacology of Endocrine system Neurohumoral transmission in autonomic and central nervous system Vitamins & Minerals Chemotherapy Autacoids and their Antagonists Pharmacology of drug acting on the gastrointestinal tract Chronopharmacology




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GPAT Syllabus of Physical Chemistry

Subjects	Topics
Physical Chemistry	Composition & physical states of matter Refractive index Solutions Electrochemistry, Kinetics Colligative Properties Thermodynamics Ionicequilibrium

GPAT Syllabus of Physical Pharmacy

Subjects	Topics
Physical Pharmacy	Buffer Solubility Matter, properties of matter Viscosity and rheology Surface and interfacial phenomenon Dispersion systems Complexation Micromeriticsand powder rheology

GPAT Syllabus of Organic Chemistry

Subjects	Topics
Organic Chemistry	General principles Pericyclic reactions Aromaticity & chemistry of aromatic compounds Different classes of compounds Amino acids & proteins Differentaromatic classes of compounds Polycyclic aromatic hydrocarbons Stereochemistry Carbohydrates Carbonyl Chemistry Heterocyclic ChemistryProtection & deprotection of groups Bridged rings Kinetic & thermodynamic control

GPAT Syllabus of Dispensing and Hospital Pharmacy

Subjects	Topics
Dispensing and Hospital Pharmacy	Introduction to laboratory equipment, weighing methodology, handling of prescriptions, labelling instructions for dispensed products Posological calculations involved in the calculation of dosage for infants. Study of current patent and proprietary products, generic products and selected brand products, indications, contraindications, adverse drug reactions, available dosage forms and packing Compounding and dispensing of following prescriptions Reading and counselling of prescriptions from the clinical practice Enlarging and reducing formula, displacement value Preparations of formulations involving allegation, alcohol dilution, isotonic solution

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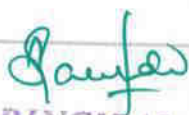
GPAT Syllabus of Pharmaceutical Chemistry

Subjects	Topics
Pharmaceutical Chemistry	Pharmaceutical Inorganic Chemistry Dentifrices, desensitizing agents, & anticaries agents Pharmaceutical Impurities Isotopes Monographs Medicinal Chemistry Various classes of therapeutic agents Different classes of therapeutic drugs Therapeutic classes of drugs Different classes of therapeutic drugs

GPAT Syllabus of Pharmaceutical Jurisprudence

Subjects	Topics
Pharmaceutical Jurisprudence	Narcotic Drugs and Psychotropic Substances Act, and Rules thereunder Factory Act Shops and Establishment Act Introduction to Intellectual Property Rights and Indian Patent Act 1970 An Introduction to Standard Institutions and Regulatory Authorities such as BIS, ASTM, ISO, TGA, USFDA, MHRA, ICH, WHO Minimum Wages Act 1948 Prevention of Food Adulteration Act 1954 and Rules Industrial Development and Regulation act 1951 Drugs and Magic Remedies (Objectionable Advertisements) Act 1954 Medicinal and Toilet Preparations (Excise Duties) Act 1955, Rules 1976 Historical background Drug legislation in India, Code of Ethics for Pharmacists The Pharmacy Act 1948 Drugs and Cosmetics Act 1940, Rules 1945, including New Drug applications Consumer Protection Act Indian Pharmaceutical Industry- An Overview Medical Termination of Pregnancy Act 1970 and Rules 1975 Prevention of Cruelty to Animals Act 1960 Drug (Price Control) Order




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GPAT Syllabus of Pharmaceutical Management

Subjects	Topics
Pharmaceutical Management	Introduction to management Inventory Management Communication Research Management Human resource and development (HRD) Planning and Forecasting Organization World trade organization (WTO) and trade-related intellectual property rights (TRIPS) Standard institutions and regulatory authorities GATT Marketing Research Leadership and motivation

GPAT Syllabus of Pharmaceutics

Subjects	Topics
Pharmaceutics	Pharmacy Profession & Introduction to Pharmaceuticals Introduction to dosage form Biological products Pharmaceutical Plant, location, layout Ophthalmic preparations Preformulations Packaging Materials Cosmetics Pilot plant scale-up techniques Dosage Form Necessities and Additives Powders Sources of drug information Tablets Parenteral - product requiring sterile packaging Suspensions Emulsions Suppositories Stability of formulated products Prolonged Action Pharmaceuticals Novel Drug delivery system GMP and Validation Semisolid Allopahic dosage form Crude extract Allergenic extract Capsules Liquids (solutions, syrups, elixirs, spirits, aromatic water, liquid for external uses) Pharmaceutical Aerosols

GPAT Syllabus of Pharmaceutical Engineering

Subjects	Topics
Pharmaceutical Engineering	Material of constructions Drying Size reduction and size separation Extraction Mixing Crystallization Automated process control systems Industrial hazards & safety precautions Evaporation Distillation Fluid flow Heat transfer Filtration and Centrifugation Dehumidification and humidity control Refrigeration and air conditioning



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GPAT Syllabus of Pharmacognosy

Subjects	Topics
Pharmacognosy	Introductory Pharmacognosy Classification of crude drugs Plant products Principles of plant classification Pharmaceutical aids Animal products Traditional herbal drugs Plants based industries and research institutes in India Patents Ayurvedic system of medicine Homeopathic system of medicine Toxic drugs Enzymes Natural pesticides and insecticides Adulteration and evaluation of crude drugs Quantitative microscopy Factors influencing quality of crude drugs Techniques in microscopy Introduction to phytoconstituents Biogenetic pathways Carbohydrates & lipids Tannins Volatile oils Resinous drugs Glycosides Alkaloids Extraction and Isolation Techniques Phytopharmaceuticals Quality control and Standardization of herbal drugs Herbal formulations Worldwide trade of crude drugs and volatile oils Herbal cosmetics

GPAT Syllabus of Human Anatomy and Physiology

Subjects	Topics
Human Anatomy and Physiology	Cell physiology Endocrine Glands Reproductive System Gastrointestinal tract Respiratory System Autonomic nervous system Cardiovascular system Lymphatic system The Blood Sense organs Skeletal System Central Nervous system Urinary System

GPAT Syllabus of Pharmaceutical Analysis

Subjects	Topics
Pharmaceutical Analysis	Importance of quality control in pharmacy Acid-base titrations Gravimetry Extraction techniques Potentiometry Calibration General principles of spectroscopy Mass spectrometry Polarography Nephelometry & Turbidimetry Ultraviolet-visible Spectrometry Spectrofluorimetry Flame photometry & atomic absorption spectrometry Infrared spectrometry Miscellaneous methods of analysis Non-aqueous titrations Oxidation-reduction titrations Precipitation titrations Complexometric titrations Proton nuclear magnetic resonance spectrometry Chromatography Miscellaneous

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GPAT Syllabus of Clinical Pharmacy and Therapeutics

Subjects	Topics
Clinical Pharmacy and Therapeutics	Drug information services, Drug interactions Drug interaction in pediatric and geriatric patients, drug treatment during pregnancy, lactation and menstruation Therapeutic drug monitoring, adverse drug reaction (ADR), types of ADR, Mechanism of ADR. Drug interaction, Monitoring and reporting of ADR and its significance Age-related drug therapy: concept of posology, drug therapy for neonates, paediatrics and geriatrics. Drugs used in pregnancy and lactation Drug therapy in gastrointestinal, hepatic, renal, cardiovascular and Respiratory Disorders Pharmacovigilance, Therapeutic drug monitoring, Neutraceuticals, essential drugs and rational drug usage General Principles, preparation, maintenance, analysis of observational records in Clinical Pharmacy Drug therapy in infections of respiratory system, urinary system, infective meningitis, TB, HIV, malaria and filaria Drug therapy for thyroid and parathyroid disorders, diabetes mellitus, menstrual cycle disorders, menopause and male sexual dysfunction Drug therapy for malignant disorders like leukaemia, lymphoma and solid tumours Drug therapy for rheumatic, eye and skin disorders Clinical trials, type and phases of clinical trials, placebo, ethical and regulatory issues including Good clinical practice in clinical trials Drug therapy for neurological and psychological disorders

GPAT Syllabus of Biochemistry

Subjects	Topics
Biochemistry	Cell Lipids Enzymes Nucleic acids Vitamins Biological oxidations & reductions Carbohydrates Proteins Hereditary diseases

GPAT Syllabus of Biopharmaceutics and Pharmacokinetics

Subjects	Topics
Biopharmaceutics and Pharmacokinetics	Bio-pharmaceutics, Bio-pharmaceutical statistics, Bio-availability & Bio-equivalence



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GPAT Syllabus of Biotechnology

Subjects	Topics
Biotechnology	Plant Cell and Tissue Culture Fermentation Technology and Industrial Microbiology Recombinant DNA Technology Process and Applications Animal Cell Culture Biotechnology-Derived Products

GPAT Syllabus of Pathophysiology

Subjects	Topics
Pathophysiology	Basic principles of cell injury and adaptation Neoplastic diseases Pathophysiology of common diseases Laboratory tests for Liver function tests and kidney function tests Immunopathology including amyloidosis Infectious diseases Basic mechanisms of inflammation and repair Disorders of fluid, electrolyte and acid-base balance Disorders of homeostasis: white blood cells, lymphoid tissues, and red blood cells related diseases

GPAT Syllabus of Microbiology

Subjects	Topics
Microbiology	Introduction to Microbiology Microscopy and staining technique Biology of Microorganisms Microbial spoilage Vaccines & Sera Fungi and Viruses Aseptic Technique Sterilization & Disinfection Microbial Assay



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GPAT Exam Pattern

Exam Duration	3 hours
Total number of questions	125
Total Marks per questions	4
Overall Marks	500
Negative marking	-1
Particulars	Details
Exam Mode	Online

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Best Books for GPAT 2023

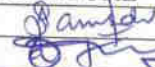
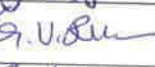
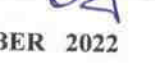
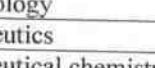
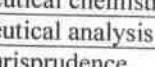
In the section below, subject wise the names of some books for GPAT 2023 are recommended in a table.

Subject	Name of the Book	Author's Name
Pharmaceutics	Pharmaceutics: Drug Delivery and Targeting	Yvonne Perrie, Thomas
	Introduction to the Pharmaceutical Sciences	Nita K. Pandit
	Modern Pharmaceutics	Gilbert S. Banker and Christopher Rhodes
Pharmaceutical Chemistry	Advanced Organic Chemistry	B.S. Bahl and Arun Bahl
	Foye's Principle of medicinal Chemistry	Eds-Thomas Lemke, D.A. Williams, Lippincott Williams & Wilkins
Pharmaceutical Analysis	Principles of Instrumental analysis	Skoog, Holler, Crouch
	Spectrometric Identification of Organic Compounds	Silverstein, R.M. and Webster
	Applications of Absorption Spectroscopy of Organic Compounds	John R. Dyer, Prentice-Hall
Pharmacognosy	Textbook of Pharmacognosy	Kokate, Noel M Ferguson
	Textbook of Pharmacognosy	C.S. Shah and J.S. Qadry



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FACULTY LIST FOR GPAT COACHING 2022--2023

SUBJECT	FACULTY	SIGNATURE
Pharmacology	Dr.A.Shyam Sunder	
Pharmaceutics	Dr.P.Ravi	
Pharmaceutical chemistry	Dr.J.Ravi	
Pharmaceutical analysis	Dr.T.Manish Kumar	
Pharm.Jurisprudence	B.Sushmitha	
Hap	J.Nagaraju	
Pharm.Biotechnology& Microbiology	G.VenkataRamana	
Pharmacognosy	M.Swapna	
Path physiology	Afreen	

GPAT COACHING TIME TABLE FOR THE NOVEMBER 2022

S.No	DATE	TIME	SUBJECT
1	6-11-2022	3-5PM	Pharmacology
2	7-11-2022	3-5PM	Pharmaceutics
3	13-11-2022	3-5PM	Pharmaceutical chemistry
4	19-11-2022	3-5PM	Pharmaceutical analysis
5	21-11-2022	3-5PM	Pharm.Jurisprudence
6	26-11-2022	3-5PM	Pharmacognosy
7	27-11-2022	3-5PM	HAP
8	28-11-2022	3-5PM	Pharm.microbiology

GPAT COACHING TIME TABLE FOR THE DECEMBER 2022

S.No	DATE	TIME	SUBJECT
1	04-12-2022	3-5PM	Pharmacology
2	05-12-2022	3-5PM	Pharmaceutics
3	11-12-2022	3-5PM	Pharmaceutical chemistry
4	12-12-2022	3-5PM	Pharmaceutical analysis
5	18-12-2022	3-5PM	Pharm.Jurisprudence
6	19-12-2022	3-5PM	Pharmacognosy
7	23-12-2022	3-5PM	HAP
8	26-12-2022	3-5PM	Pharm.microbiology

GPAT COACHING TIME TABLE FOR THE JANUARY 2023

S.No	DATE	TIME	SUBJECT
1	02-1-2023	3-5PM	Pharmacology
2	03-1-2023	3-5PM	Pharmaceutics
3	08-1-2023	3-5PM	Pharmaceutical chemistry
4	09-1-2023	3-5PM	Pharmaceutical analysis
5	22-1-2023	3-5PM	Pharm.Jurisprudence
6	23-1-2023	3-5PM	Pharmacognosy
7	29-1-2023	3-5PM	HAP
8	30-1-2023	3-5PM	Pathophysiology



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GPAT COACHING TIME TABLE FOR THE FEBRUARY 2023

S.No	DATE	TIME	SUBJECT
1	3-2-2023	3-5PM	Pharmacology
2	4-2-2023	3-5PM	Pharmaceutics
3	11-2-2023	3-5PM	Pharmaceutical chemistry
4	1-2-2023	3-5PM	Pharmaceutical analysis
5	18-2-2023	3-5PM	Pharm..Jurisprudence
6	24-2-2023	3-5PM	Pharmacognosy
7	25-2-2023	3-5PM	HAP
8	25-2-2023	3-5PM	Pharmaceutical biotechnology



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BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

Laknepally, Narsampet Warangal Dist. Warangal-506331 2022-23

S No.	Hall Ticket No.	Name of the Student	Signature
1	35120-6003	ABU DARDA	Abu Darda
2	35120-6004	AKINEPELLE LIKHITHA	Likhitha
3	35120-6005	ALETI NIKSHIPHA	Nikhitha
4	35120-6006	AMBATI JYOTHSNA	Jyothsna
5	35120-6007	ANOWAR HUSSAIN	Hussain
6	35120-6009	ASHIQUE IKBAL	Iqbal
7	35120-6010	AYUB ALI	Ayub Ali
8	35120-6011	BANNA SADHANA	Sadhana
9	35120-6012	BHUKYA SATISH KUMAR	Satish Kumar
10	35120-6013	BODA SAI KRISHNA	Sai Krishna
11	35120-6014	BOLLAM REKHA	Rekha
12	35120-6015	BUSSA TEJASHREE	Tejasree
13	35120-6016	CHEDIPAKA PRASHANTHINI	Prashanthini
14	35120-6017	CHIKKULA RAVALI	Ravali
15	35120-6019	DUBEY SAURABH RAVINDRA	Saurabh Ravindra
16	35120-6020	ELUGAM MANICHANDANA	Manichandana
17	35120-6021	ENAGANTI PRATHYUSHA	Prathyusha
18	35120-6023	FARHA FARHEEN	Farheen
20	35120-6026	FULCHAN ALI KHAN	Ali Khan
21	35120-6028	GANDHAM BHAVANA	Bhavana
22	35120-6029	GANGABOYENA PAVANI	Pavani
23	35120-6030	GONDA ANUSHA	Anusha
24	35120-6031	GOPU PRANEETHA	Praneetha
25	35120-6032	HAMSA DILEEP	Dileep
26	35120-6033	HARALE SATHISH	Sathish
27	35120-6035	INJAMAM ALAM	Injamam
28	35120-6036	INJAMAMUL HOQUE	Injamamul
29	35120-6037	JANGILI NAVYA	Navya
30	35120-6038	JANNU POOJITHA	Poojitha
32	35120-6040	KADABOINA MOUNIKA	Mounika
33	35120-6041	KANDAKATLA MANIDEEPIKA	Manideepika
34	35120-6042	KATLA DIVIJENDRA CHARY	Divijendra
35	35120-6043	KEERTHI KEERTHIKA	K. Keerthika
36	35120-6044	KINNERA RAKESH	Rakesh
37	35120-6045	KONDETI RAMYA	Ramya
38	35120-6046	KOPPUSHETTI YASHWANTHI	Yashwanthi
39	35120-6047	KOTA JAISMITHA	Jaismitha
40	35120-6048	LAKAVATH SANTHOSH	Santhosh
41	35120-6049	MACHARLA SUPRAJA	Supraja
42	35120-6050	MALOTH CHANDRASHEKHAR	Chandrashekar
43	35120-6051	MARIKUKALA RAKESH	Rakesh
44	35120-6052	MASUD AKTHER BARBHUIYA	M. A. Barbhuiya



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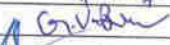
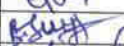
2022-23

S No.	Hall Ticket No.	Name of the Student	Student Mob No
45	35120-6054	MEKA KAVYA SRI	Kavya Sri
46	35120-6055	MOHAMMAD NASREEN	Nasreen
47	35120-6056	MOKIBUR RAHMAN	Rahman
48	35120-6058	MOTHUKURI SATHVIKA	Sathuvika
49	35120-6060	MUNJA JYOTHSNA	Jyothsna
50	35120-6061	MUSTAFA AHMED BARBHUIYA	Mustafa
51	35120-6062	NARRA AKHILA	Akhila
52	35120-6064	NOZIMUL ISLAM	Islam
53	35120-6065	ORUGANTI AJAY	Ajay
54	35120-6066	PABBATHI VARSHINI	Varshini
55	35120-6067	PARBHESH MUSARAF ALOM	Musarraf Alom
56	35120-6068	POLEPAKA SUPRIYA	Supriya
57	35120-6069	PULI PRAVALIKA	Pravalika
58	35120-6070	RAJIBUL ISLAM	Islam
59	35120-6072	RANGARAJU JAHANAVI	Jahanavi
60	35120-6073	REDDABOINA SAI KUMAR	Sai Kumar
61	35120-6074	REDDY RAJESH	Rajesh
62	35120-6075	ROHUL AMIN	Amin
63	35120-6076	SAHABUDDIN AHMED	Ahmed
64	35120-6077	SAYYED SAMEENA	Sameena
65	35120-6078	SHAHANUR ISLAM	Islam
66	35120-6079	T NAVEEN SINGH	Singh
67	35120-6080	VALUSA VINEELA	Vineela
68	35120-6082	WASHIM AKRAM	Akram
69	35120-6083	YERRA SAHITHI	Sahithi
70	35119-6005	BANDAVARAM NEELIMA	Neelima
71	35119-6063	FARUK ABDULLAH	Abdullah
72	35119-6064	SAHARUL ALOM MAZUMDER	Mazumder
73	35119-6065	SANIDUL ISLAM	Islam



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FACULTY LIST FOR GPAT COACHING 2021--2022

SUBJECT	FACULTY	SIGNATURE
Pharmacology	Dr.A.Shyam Sunder	
Pharmaceutics	G.Venkata Ramana	
Pharmaceutical chemistry	Siddhartha Kumar	
Pharmaceutical analysis	Dr.T.Manish Kumar	
Pharm.Jurisprudence	B.Sushmitha	
HAP	J.Nagaraju	
Pharm.Biotechnology& Microbiology	G.Venkata Ramana	
Pharmacognosy	M.Swapna	
Path physiology	T.Likitha	

GPAT COACHING TIME TABLE FOR THE NOVEMBER 2021

S.No	DATE	TIME	SUBJECT
1	1-11-2021	3-5PM	Pharmacology
2	12-11-2021	3-5PM	Pharmaceutics
3	13-11-2021	3-5PM	Pharmaceutical chemistry
4	18-11-2021	3-5PM	Pharmaceutical analysis
5	20-11-2021	3-5PM	Pharm.Jurisprudence
6	26-11-2021	3-5PM	Pharmacognosy
7	27-11-2021	3-5PM	HAP
8	28-11-2021	3-5PM	Pharm.microbiology

GPAT COACHING TIME TABLE FOR THE DECEMBER 2021

S.No	DATE	TIME	SUBJECT
1	03-12-2021	3-5PM	Pharmacology
2	04-12-2021	3-5PM	Pharmaceutics
3	10-12-2021	3-5PM	Pharmaceutical chemistry
4	11-12-2021	3-5PM	Pharmaceutical analysis
5	17-12-2021	3-5PM	Pharm.Jurisprudence
6	18-12-2021	3-5PM	Pharmacognosy
7	23-12-2021	3-5PM	HAP
8	30-12-2021	3-5PM	Pharm.microbiology

GPAT COACHING TIME TABLE FOR THE JANUARY 2022

S.No	DATE	TIME	SUBJECT
1	07-1-2022	3-5PM	Pharmacology
2	08-1-2022	3-5PM	Pharmaceutics
3	08-1-2022	3-5PM	Pharmaceutical chemistry
4	09-1-2022	3-5PM	Pharmaceutical analysis
5	22-1-2022	3-5PM	Pharm.Jurisprudence
6	23-1-2022	3-5PM	Pharmacognosy
7	29-1-2022	3-5PM	HAP
8	30-1-2022	3-5PM	Pathophysiology



PRINCIPAL

Balaji Institute of Pharmaceutical Sciences
Laknepally (V), Narsampet (M)
Warangal (Dt) - 506 331 (T.S)



BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to kakathiya University, Wgl)

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

GPAT COACHING TIME TABLE FOR THE FEBRUARY 2022

S.No	DATE	TIME	SUBJECT
1	4-2-2022	3-5PM	Pharmacology
2	11-2-2022	3-5PM	Pharmaceutics
3	12-2-2022	3-5PM	Pharmaceutical chemistry
4	13-2-2022	3-5PM	Pharmaceutical analysis
5	18-2-2022	3-5PM	Pharm.Jurisprudence
6	20-2-2022	3-5PM	Pharmacognosy
7	24-2-2022	3-5PM	HAP
8	25-2-2022	3-5PM	Pharmaceutical biotechnology



Principle

PRINCIPAL

Balaji Institute of Pharmaceutical Sciences

Laknepally (V), Narsampet (M)

Warangal (Dt) - 506 331 (T.S)

STUDENT NAME LIST FOR THE GPAT /NIPER/PGCET COACHING-2021-2022

S.No.	H.T.No	Name of the Student	SIGNATURE
1	35118-6006	DEVARAKONDA VENKATARAMANA	D. Venkata ramana
2	35118-6030	SURA NAVEEN	Naveen
3	35119-6001	ALUVALA MADHURI	A. Madhuri
4	35119-6003	ANNA ARUN KUMAR	Anna Kumar
5	35119-6007	BURA RAVALI	Ravali
6	35119-6008	BYRU NIHARIKA	Niharika
7	35119-6009	CHINTHALA SAI CHANDU	Sai chandru
8	35119-6010	DARSHANAPU POOJITHA	D. Poojitha
9	35119-6011	DEVARAKONDA NAVYA SHIRISHA	Navya
10	35119-6012	DODLA MAHESH	D. Mahesh
11	35119-6014	FIRUJ AHMED BARBHUIYA	Firuj
12	35119-6015	GADDAM KIRAN KUMAR	Kiran Kumar
13	35119-6018	GATLA SAINATH	Sainath
14	35119-6019	GUJJA SOUMYA	G. Soumya
15	35119-6020	GUNDAVARAM RAVALI	G. Soumya
16	35119-6023	HEDAU BHAGYASHRI	Bhagyashri
17	35119-6024	JAKARIA ALOM MOZUMDER	Mozumder
18	35119-6026	JASHIM UDDIN LASKAR	Jashim Uddin
19	35119-6027	K ANJANEYULU	K. Anjaneyulu
20	35119-6028	KABIR HUSSAIN LASKAR	Hussain Laskar
21	35119-6029	KALLAPALLY BHARGAVI	B. Bhargavi
22	35119-6030	KANNEBOINA SWATHI	Swathi
23	35119-6031	KAYITHA SUPRAJA	Supraja
24	35119-6032	KONDAM AISHWARYA	K. Aishwarya
25	35119-6033	KONDLE YASHONADH	K. Ravali
26	35119-6035	LINGALA RAVALI	Ravali
27	35119-6036	MAILA RAVALI	M. Ravali
28	35119-6037	MANGOLE JYOSHNA	JYOSHNA
29	35119-6038	MOHAMMAD MOIZ KHAN	Moiz Khan
30	35119-6040	MUTTINENI SNEHITHA	SNEHITHA
31	35119-6041	NAGABOINA ALEKHYA	N. Alekhya
32	35119-6043	PITTALA KAVITHA	P. Kavitha
33	35119-6045	RUHUL AMIN LASKAR	R. Laskar

34	35119-6046	SAHBUL UDDIN LASKAR	S. U. Laskar
35	35119-6048	SAINI VYSHNAVI	Vyshanvi
36	35119-6049	SAMEERA	Sameera
37	35119-6050	SANGEKARI RAMYA	S. Ramya
38	35119-6051	SAYED AFRIDI	Afridi
39	35119-6053	SIDDAMSETTI SRAVANI	S. S. S. S.
40	35119-6056	UZMA	Uzma
41	35119-6057	VALLAKATLA PRASHANTHI	V. Prashanthi
42	35119-6058	VANAMALA MOUNIKA	Mounika
43	35119-6059	VENNAM ROHITHA	V. Rohitha
44	35119-6061	PERUMANDLA LAXMI PRASANNA	P. Laxmi Prasanna

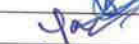
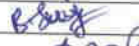
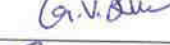


[Signature]

PRINCIPAL

Balaji Institute of Pharmaceutical Sciences
Laknepally (V), Narsampet (M)
Warangal (Dt) - 506 331 (T.S)

FACULTY LIST FOR GPAT COACHING 2020-2021

SUBJECT	FACULTY	SIGNATURE
Pharmacology	Dr.A.Shyam Sunder	
Pharmaceutics	G.Venkata Raman	
Pharmaceutical chemistry	Siddhartha kumar	
Pharmaceutical analysis	Dr.T.Manish Kumar	
Pharm.Jurisprudence	B.Sushmitha	
HAP	J.Nagaraju	
Pharm,Biotechnology& Microbiology	G.VenkataRamana	
Pharmacognosy	M.Swapna	
Path physiology	T.Likitha	

GPAT COACHING TIME TABLE FOR THE NOVEMBER 2020

S.No	DATE	TIME	SUBJECT
1	6-11-2020	3-5PM	Pharmacology
2	7-11-2020	3-5PM	Pharmaceutics
3	13-11-2020	3-5PM	Pharmaceutical chemistry
4	19-11-2020	3-5PM	Pharmaceutical analysis
5	21-11-2020	3-5PM	Pharm.Jurisprudence
6	26-11-2020	3-5PM	Pharmacognosy
7	27-11-2020	3-5PM	HAP
8	28-11-2020	3-5PM	Pharm.microbiology

GPAT COACHING TIME TABLE FOR THE DECEMBER 2020

S.No	DATE	TIME	SUBJECT
1	04-12-2020	3-5PM	Pharmacology
2	05-12-2020	3-5PM	Pharmaceutics
3	11-12-2020	3-5PM	Pharmaceutical chemistry
4	12-12-2020	3-5PM	Pharmaceutical analysis
5	18-12-2020	3-5PM	Pharm.Jurisprudence
6	19-12-2020	3-5PM	Pharmacognosy
7	23-12-2020	3-5PM	HAP
8	26-12-2020	3-5PM	Pharm.microbiology

GPAT COACHING TIME TABLE FOR THE JANUARY 2021

S.No	DATE	TIME	SUBJECT
1	02-1-2021	3-5PM	Pharmacology
2	03-1-2021	3-5PM	Pharmaceutics
3	08-1-2021	3-5PM	Pharmaceutical chemistry
4	09-1-2021	3-5PM	Pharmaceutical analysis
5	22-1-2021	3-5PM	Pharm.Jurisprudence
6	23-1-2021	3-5PM	Pharmacognosy
7	29-1-2021	3-5PM	HAP
8	30-1-2021	3-5PM	Pathophysiology




PRINCIPAL
Balaji Institute of Pharmaceutical Sciences
Laknepally (V), Narsampet (M)
Warangal (Dt) - 506 331 (T.S)

GPAT COACHING TIME TABLE FOR THE FEBRUARY 2021

S.No	DATE	TIME	SUBJECT
1	5-2-2021	3-5PM	Pharmacology
2	6-2-2021	3-5PM	Pharmaceutics
3	12-2-2021	3-5PM	Pharmaceutical chemistry
4	13-2-2021	3-5PM	Pharmaceutical analysis
5	18-2-2021	3-5PM	Pharm.Jurisprudence
6	20-2-2021	3-5PM	Pharmacognosy
7	24-2-2021	3-5PM	HAP
8	25-2-2021	3-5PM	Pharmaceutical biotechnology



Signature

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Balaji Institute of Pharmaceutical Sciences
Laknepally (V), Narsampet (M)
Warangal (Dt) - 506 331 (T.S)

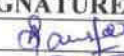
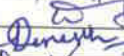
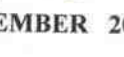
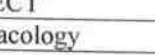
STUDENT NAME LIST FOR THE GPAT /NIPER/PGCET COACHING-2020-2021

S.No.	H.T.No	Name of the Student	
1	35118-6001	ARRAM YAMINI REDDY	Yamini Reddy
2	35118-6003	BARIGALA MAMATHA	B. Mamatha
3	35118-6005	CHIDHIRALA BHARGAV	C. Bhargav
4	35118-6007	DUVVA BHAVANI	Bhavani
5	35118-6008	GOJA HAMSA LATHA	G. Latha
6	35118-6010	GUDIKANDULA ABHINAYA	Abhinaya
7	35118-6012	KANDELA SHIVAPRIYA	Shivapriya
8	35118-6014	MACHANA NAVYA	N. Navya
9	35118-6015	MAISA SHIRISHA	Shirisha
10	35118-6018	MOHAMMAD JUNAID	Junaid
11	35118-6019	NAGAMALLA KAMALTEJA	N. Kamal Teja
12	35118-6020	NARLAPURAM ANUSHA	N. Anusha
13	35118-6021	NEHA SHIREEN	Shireen
14	35118-6023	PANUGANTI VAISHNAVI DEVI	Vaishnavi devi
15	35118-6025	POOJARI GOUTHAMI	Gouthami
16	35118-6026	PULLAMSHETTI MAHIMA BHARATHI	P. Bharathi
17	35118-6027	RONTALA THRINIKA	T. Bharathwaj
18	35118-6028	SANGANI BHARATHWAJ	Bharathwaj
19	35118-6031	VUYYALA SAISREEJA	Sai Sreeja
20	35118-6032	GADDAM SAI MADHURI	G. Saimadhuri




PRINCIPAL
Balaji Institute of Pharmaceutical Sciences
Laknepally (V), Narsampet (M)
Warangal (Dt) - 506 331 (T.S)

FACULTY LIST FOR GPAT COACHING 2019-2020

SUBJECT	FACULTY	SIGNATURE
Pharmacology	Dr.A.Shyam Sunder	
Pharmaceutics	Dr.G.Dalapathi	
Pharmaceutical chemistry	Dr.K.meenakshi	
Pharmaceutical analysis	Dr.T.Manish Kumar	
Pharm.Jurisprudence	G.Priyanka	
hap	J.Nagaraju	
Pharm.Biotechnology	G.VenkataRamana	
Pharmacognosy	M.Swapna	
Path physiology	J . Nagaraju	

GPAT COACHING TIME TABLE FOR THE NOVEMBER 2019

S.No	DATE	TIME	SUBJECT
1	1-11-2019	3-5PM	Pharmacology
2	2-11-2019	3-5PM	Pharmaceutics
3	8-11-2019	3-5PM	Pharmaceutical chemistry
4	9-11-2019	3-5PM	Pharmaceutical analysis
5	15-11-2019	3-5PM	Pharm.Jurisprudence
6	16-11-2019	3-5PM	Pharmacognosy
7	22-11-2019	3-5PM	HAP
8	23-11-2019	3-5PM	Pharm.microbiology

GPAT COACHING TIME TABLE FOR THE DECEMBER 2019

S.No	DATE	TIME	SUBJECT
1	06-12-2019	3-5PM	Pharmacology
2	7-12-2019	3-5PM	Pharmaceutics
3	13-12-2019	3-5PM	Pharmaceutical chemistry
4	14-12-2019	3-5PM	Pharmaceutical analysis
5	20-12-2019	3-5PM	Pharm.Jurisprudence
6	21-12-2019	3-5PM	Pharmacognosy
7	27-12-2019	3-5PM	HAP
8	28-12-2019	3-5PM	Pharm.microbiology

GPAT COACHING TIME TABLE FOR THE JANUARY 2020

S.No	DATE	TIME	SUBJECT
1	03-1-2020	3-5PM	Pharmacology
2	04-1-2020	3-5PM	Pharmaceutics
3	10-1-2020	3-5PM	Pharmaceutical chemistry
4	11-1-2020	3-5PM	Pharmaceutical analysis
5	18-1-2020	3-5PM	Pharm.Jurisprudence
6	24-1-2020	3-5PM	Pharmacognosy
7	25-1-2020	3-5PM	HAP
8	31-1-2020	3-5PM	Pathophysiology




PRINCIPAL
Balaji Institute of Pharmaceutical Sciences
Laknepally (V), Narsampet (M)
Warangal (Dt) - 506 331 (T.S)

GPAT COACHING TIME TABLE FOR THE FEBRUARY 2020

S.No	DATE	TIME	SUBJECT
1	01-2-2020	3-5PM	Pharmacology
2	7-2-2020	3-5PM	Pharmaceutics
3	8-2-2020	3-5PM	Pharmaceutical chemistry
4	14-2-2020	3-5PM	Pharmaceutical analysis
5	15-2-2020	3-5PM	Pharm.Jurisprudence
6	22-2-2020	3-5PM	Pharmacognosy
7	28-2-2020	3-5PM	HAP
8	29-2-2020	3-5PM	Pharmaceutical biotechnology

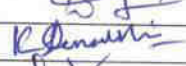
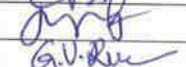
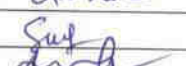
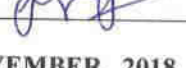
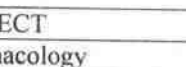
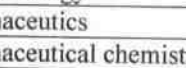


[Signature]
PRINCIPAL
Balaji Institute of Pharmaceutical Sciences
Laknepally (V), Narsampet (M)
Warangal (Dt) - 506 331 (T.S)

STUDENT NAME LIST FOR THE GPAT /NIPER/PGCET COACHING-2019-2020

S.No.	H.T.No	Name of the Student	
1	35117-6002	AJMEERA VIKRAM	A. Vikram
2	35117-6003	ALETI RAJKUMAR	A. Rajkumar
3	35117-6007	BAKKI NIVEDITHA	Niveditha
4	35117-6008	BANDARI GREESHMA	B. Greeshma
5	35117-6009	BHUKYA RANJITH	B. Ranjith
6	35117-6010	BIBHAKAR KUMAR MANJHI	B.K. Manjhi
7	35117-6012	BOBBALA RAMA KRISHNA	B. Rama Krishna
8	35117-6013	BOORA MADHAVI	B. Madhavi
9	35117-6014	CHADA PAVANI	C. Pavani
10	35117-6015	CHHABU MANJHI	C. Bomanyhi
11	35117-6016	CHIKKULA AJAYKUMAR	C. Ajaykumar
12	35117-6017	DEVARAKONDA SHIVANI	D. Shivani
13	35117-6018	DEVOJU RAMYA	D. Ramya
14	35117-6020	DURGUNALA MANASA	Manasa
15	35117-6021	GAJAVELLI HARSHINI	Harshini
16	35117-6023	HAMSA PRUDHVIRAJ	P. Prudhviraj
17	35117-6024	INGLI SIRI CHANDANA	Chandana
18	35117-6025	JAKKULA VINUSHA	J. Vinusha
19	35117-6027	KANNA PAVITHRA	Pavithra
20	35117-6029	KOTHAPALLY TEJASHWINI SHARMA	K. Tejashwini Sharma
21	35117-6030	MADA PREETHI	M. Preethi
22	35117-6031	MASADI GOUTHAMI	M. Gouthami
23	35117-6033	MERUGU NIHARIKA	Niharika
24	35117-6035	MOHAMMAD SANA NOUSHEEN	Sana
25	35117-6036	NAM SRAVAN SAI	Sai Suman
26	35117-6037	ORUGANTI PRASHANTH	O. Prashanth
27	35117-6038	PERUKA SANJANA	P. Sanjana
28	35117-6039	POKKULA YESHWANTH SAI	P. Yeshwanth Sai

FACULTY LIST FOR GPAT COACHING 2018-2019

SUBJECT	FACULTY	SIGNATURE
Pharmacology	Dr.A.Shyam Sunder	
Pharmaceutics	Dr.G.Dalapathi	
Pharmaceutical chemistry	Dr.K. Meenakshi	
Pharmaceutical analysis	Dr.T.Manish Kumar	
Pharm.Jurisprudence	G.Priyanka	
HAP	J.Nagaraju	
Pharm.Biotechnology& microbiology	G.VenkataRamana	
Pharmacognosy	M.Swapna	
Path physiology	J.Nagaraju	

GPAT COACHING TIME TABLE FOR THE NOVEMBER 2018

S.No	DATE	TIME	SUBJECT
1	2-11-2018	3-5PM	Pharmacology
2	3-11-2018	3-5PM	Pharmaceutics
3	9-11-2018	3-5PM	Pharmaceutical chemistry
4	10-11-2018	3-5PM	Pharmaceutical analysis
5	16-11-2018	3-5PM	Pharm.Jurisprudence
6	23-11-2018	3-5PM	Pharmacognosy
7	24-11-2018	3-5PM	HAP
8	30-11-2018	3-5PM	Pharm.microbiology

GPAT COACHING TIME TABLE FOR THE DECEMBER 2018

S.No	DATE	TIME	SUBJECT
1	01-12-2018	3-5PM	Pharmacology
2	7-12-2018	3-5PM	Pharmaceutics
3	8-12-2018	3-5PM	Pharmaceutical chemistry
4	14-12-2018	3-5PM	Pharmaceutical analysis
5	21-12-2018	3-5PM	Pharm.Jurisprudence
6	22-12-2018	3-5PM	Pharmacognosy
7	28-12-2018	3-5PM	HAP
8	29-12-2018	3-5PM	Pharm.microbiology

GPAT COACHING TIME TABLE FOR THE JANUARY 2019

S.No	DATE	TIME	SUBJECT
1	04-1-2019	3-5PM	Pharmacology
2	05-1-2019	3-5PM	Pharmaceutics
3	06-1-2019	3-5PM	Pharmaceutical chemistry
4	07-1-2019	3-5PM	Pharmaceutical analysis
5	18-1-2019	3-5PM	Pharm.Jurisprudence
6	19-1-2019	3-5PM	Pharmacognosy
7	25-1-2019	3-5PM	HAP
8	26-1-2019	3-5PM	Pathophysiology




PRINCIPAL
Balaji Institute of Pharmaceutical Sciences
Laknepally (V), Narsampet (M)
Warangal (Dt) - 506 331 (T.S)

GPAT COACHING TIME TABLE FOR THE FEBRUARY 2019

S.No	DATE	TIME	SUBJECT
1	01-2-2019	3-5PM	Pharmacology
2	2-2-2019	3-5PM	Pharmaceutics
3	8-2-2019	3-5PM	Pharmaceutical chemistry
4	09-2-2019	3-5PM	Pharmaceutical analysis
5	15-2-2019	3-5PM	Pharm.Jurisprudence
6	16-2-2019	3-5PM	Pharmacognosy
7	22-2-2019	3-5PM	HAP
8	23-2-2019	3-5PM	Pharmaceutical biotechnology




PRINCIPAL
Balaji Institute of Pharmaceutical Sciences
Laknepally (V), Narsampet (M),
Warangal (Dt) - 506 331 (T.S)

STUDENT NAME LIST FOR THE GPAT /NIPER/PGCET COACHING-2018-2019

S.No.	H.T.No	Name of the Student	Signature
1	35116-6003	ALWALA MOUNIKA	A. Mounika
2	35116-6005	BARIGELA SHRUTHI	B. Shruthi
3	35116-6006	BASKULA NAVEEN	B. Naveen
4	35116-6007	BILLA DIVYA	B. Divya
5	35116-6008	BOGI CHITTI	B. Chitti
6	35116-6009	BOTIKA LAVANYA	B. Lavanya
7	35116-6010	BOYA UMA	B. Uma
8	35116-6011	BOYINENI VISHNU PRIYA	B. Vishnu Priya
9	35116-6012	BURRA RAKESH	B. Rakesh
10	35116-6013	CHEDUPAKA MAMATHA	C. Mamatha
11	35116-6014	CHEERLA PRANITHA REDDY	C. Pranitha Reddy
12	35116-6015	CHINAPAKA ARUNA	C. Aruna
13	35116-6016	CHIRRA BHAVANI	C. Bhavani
14	35116-6017	CHIRRA VENNELA	C. Vennela
15	35116-6018	CHITYAM SANDHYA RANI	C. Sandhya
16	35116-6019	CHUKKA LAVANYA	C. Lavanya
17	35116-6020	CHUNCHA SIRIVENNELA	C. Sirivennela
18	35116-6021	DAMALLA MAHENDER	D. Mahender
19	35116-6023	ELIGETI MANOHAR	E. Manohar
20	35116-6024	ETTABOINA RAVALIKA	E. Ravalika
21	35116-6025	GODASI SUPRIYA	G. Supriya
22	35116-6027	GUNDGONIWAR SONALI MALLES	G. Sonali Malles
23	35116-6028	JALAGAM GANESH	J. Ganesh
24	35116-6029	JODUMUNTHALA MOUNIKA	J. Mounika
25	35116-6030	KAITHA SANDHYA	K. Sandhya
26	35116-6031	KALVACHARLA DEEPIKA	K. Deepika
27	35116-6032	KANAPARTHI ASHWITHA	K. Ashwitha
28	35116-6033	KANDUKURI ANUSHA	K. Anusha
29	35116-6034	KANNE DAYAKAR	K. Dayakar
30	35116-6035	KASAGANI SHRAVANKUMAR	K. Shrivankumar
31	35116-6036	KENCHA MOUNIKA	K. Mounika
32	35116-6037	KONDI SAIRAM	K. Sairam
33	35116-6038	KONGARA MAMATHA	K. Mamatha
34	35116-6039	LIKKY SANGEETHA	L. Sangeetha
35	35116-6040	MABBU VASUDHA	M. Vasudha
36	35116-6041	MADALA PRATHYUSHA	M. Prathyusha
37	35116-6045	MARAPPELLI SARASWATHI	M. Saraswathi
38	35116-6046	MIYAPURAPU SRIVANI	M. Srivani
39	35116-6047	MOHAMMAD SHAFI	M. Shafi



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Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

GPAT MOCK TEST-2023

Read the following instructions carefully

1. This question paper contain 12 pages, please check all pages and report discrepancy if any.
2. Write your Name and Roll number at specified locations.
3. Use only Black or Blue pen for darken the circle in the answer sheet
4. Darken only one answer circle for each question as shown.
5. There are total 125 questions carrying 500 marks.
6. For each **correct answer**, you will be awarded **4** marks
7. For each **wrong answer**, you will be deducted **1** mark
8. Multiple answers to a question will be treated as a wrong answer.
9. For each un-attempted question, you will be awarded **0** marks.
10. Rough work can be done on the question paper itself.
11. You will not be allowed to have in possession of any blank paper, log tables, charts and calculator in the examination hall.



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- 1) Which one of the following glucose transporter is the DAPAGLIFLOZIN target for the management of type 2 diabetes
A) SGL2 B) SGL1 C) GLUT 1 D) GLUT 4
- 2) ATRACURIUM is a Neuromuscular blocker is metabolized through one of the following reaction.
A) Beckmann Rearrangement B) Michael addition
C) Hofmann elimination D) Perkin condensation
- 3) H₂blockers should not given along with
A) Prostanoids B) Diclofenac sodium C) Verapamil D) Ketoconazole
- 4) The local anaesthetic with highest Cardiotoxicity
A) Lignocaine B) Procaine C) Amithocaine D) Bupivacaine
- 5) Priapism is an adverse effect of
A) Isoniazid B) Rupatidine C) Hydralazine D) Spirinolactone
- 6) Which of the following drug is derived from alteplase by genetic engineering technique?
A) Reteplase B) Tenecteplase C) Duteplase D) Anistreplase
- 7) Which of the following drugs exhibit interaction with Adenosine?
P) Theophylline Q) Dipyridinol R) Diltiazam S) Lidocaine
A) PQ B) PS C) QS D) QR
- 8) A patient receiving Digoxin for CHF is found to have elevated serum cholesterol which hypolipidmic agent should not be prescribed?
A) Clofibrate B) Choletyramine C) Simvastatin D) Niacin
- 9) The drug that inhibits the helminth specific enzyme fumarate reductase is
A) piperazine B) Pyrantel pamoate C) Praziquantel D) Thiabendazole
- 10) Prolonged administration of following drug causes Gruffness of voice
A) Inhaled Propranolol B) Oral Vincristin C) Oral Morphine D) Inhaled Corticosteroids
- 11) Postgastrectomy dumping syndrome is treated with
A) Cyproheptadine B) cetirizine C) Ebastein D) Pheniramine



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- 12) Nonselective beta adrenergic blocking agents should be used with caution in patients with
P) Asthma Q) Type I diabetes mellitus R) Sinus bradycardia
A) P only B) R only C) P and R only D) P, Q and R
- 13) Which of the following statement is true?
A) Conversion of Testosterone to Estradiol in presence of 5α reductase
B) conversion of Testosterone to Dihydrotestosterone in presence of Aromatase
C) Diethyl stilbostrol in a non steroidal synthetic estrogen
D) Ergometrine is an uterine relaxant
- 14) Which of the following is not an anabolic steroid?
A) stanozolol B) Nandrolone C) Oxandrolone D) Norethindrone
- 15) α kainic acid is an agonist for kainate receptors commonly injected into laboratory animals to develop models for
A) Diabetes B) Cancer C) Hyperlipidemia D) Epilepsy
- 16) In non competitive enzyme activity inhibition
A) Increases K_m without affecting V_{max} B) Decreases K_m without affecting V_{max} C) Increases V_{max} without affecting K_m D) Decreases V_{max} without affecting K_m
- 17) Which of the following will increase heart rate?
A) Verapamil B) Nifedipine C) Carbachol D) Physostigmine
- 18) Which of the following is a prodrug
A) Imatinib B) Chlorambucil C) Decarbazine D) Cyclophosphamide
- 19) Streptomyces verticillus is the source of the following drug
A) Mitomycin B) Bleomycin C) Doxorubicin D) Daunorubicin
- 20) Which of the following drug has immunomodulatory action
A) Ivermectin B) Metronidazole C) Albendazole D) Levamisole
- 21) Pick the wrong statement (S) about sulfamethoxazole
P) Inhibit the synthesis of Folate synthetase Q) Used in the treatment of Ulcerative colitis
R) Half life is around 12 hrs S) Mechanism is similar to that of Rifampin
A) P and Q B) QR and S C) Q Only D) R only
- 22) Tardive dyskinesia is the adverse effect of which class of drugs



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- A) Antipsychotic B) Antidepressant C) Anti epileptic D) Anti anxiety
- 23) Drug choice for Familial adenomatous polyposis (FAP)
A) Indomethicine B) Ketorolac C) Piroxicam D) Sulindac
- 24) Aprepitant is a
A) β_1 receptor antagonist B) β_1 agonist C) NK1 receptor antagonist D) NK1 receptor agonist
- 25) Identify the Highly Purified Pork Regular insulin
A) Lentard B) Monotard C) Actrapid D) Insulatard
- 26) Example of Streptogramins
A) Streptomycine B) Linezolid C) Quinupristin D) Colistin
- 27) Which of the following Anti Parkinson drug has antioxidant property?
A) Pramipexole B) Selegilin C) Bromocriptine D) Entacapone
- 28) Hepatotoxicity caused by
A) Lamotrigine B) Felbamate C) Topiramate D) Valproic acid
- 29) The Coriander oil when distilled from unripe fruits have unpleasant mousy odour is due to
A) D-linalool B) Borneol C) N-decanal D) Coriandrylacetate
- 30) Cephaline is converted to emetine by
A) Methylation of phenolic C(6) hydroxyl group B) Ethylation of Phenolic C(6) hydroxyl group C) Ethylation of phenolic C(5) hydroxyl group D) Methylation of phenolic C(5) hydroxyl group
- 31) Biotransformation of Digitoxin to digoxin takes place by process
A) Ketone hydrolysis B) Glucosylation C) Acetylation D) β hydroxylation
- 32) Heterocyclic system (P-S) and the natural products in which they are present is given in 1-4 match them
- | | |
|----------------------|--------------------|
| P) Imidazole | 1. Reserpine |
| Q) β carboline | 2. Pilocarpine |
| R) Hetrosteroidal | 3. Conessine |
| S) Isoquinoline | 4. Papavarine |
| A) P-2 Q-1 R-3 S-4 | B) P-1 Q-3 R-4 S-2 |
| D) P-4 Q-2 R-3 S-1 | C) P-3 Q-2 R-4 S-1 |



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- 33) Guggul lipids are obtained from
A) Commiphora molmol B) Boswellia serrata C) Commiphora wightii
D) Commiphora abyssinica
- 34) Pungency of chillis is due to presence of
A) capsaicin B) Capsanthin C) Carotene D) pungen
- 35) Salkowski test is applied for identification of
A) Protein B) steroid and Terpenoid C) Tannin D) Glycosides
- 36) Stomatal number is the average number of stomata per
A) Square centimeter B) Square meter C) Square millimeter
D) Epidermal cell
- 37) If the botanical source of drug is leaves of plant then what will be analytical constant for evaluation parameter.
A) Fibre length B) Cineol constant C) Stomatal index D) Swelling index
- 38) The following constituent has Anti malarial activity
A) (-) Stereoisomer of Quinine B) (+) stereoisomer of Quinine
D) (-) Stereoisomer of Quinidine C) (+) Stereoisomer of Quinidine
- 39) Chemically veegum is
A) Magesium silicate B) Calcium silicate C) Aluminium silicate
D) Magnesium aluminosilicate
- 40) Which of the following substance causes sticking problems?
A) Lactose B) PVP C) stearic acid D) cellulose
- 41) The 000 size capsule can fill the volume of
A) 0.13 ml B) 0.95 ml C) 1.36 ml D) 0.27 ml
- 42) The Numerical designation of propellant butane is
A) A-108 B) 11 C) A-17 D) A-109
- 43) Identify the method for complete blending of potent powders with large quantities of diluents
A) Spatulation B) Levigation C) Trituration D) Geometric dilution
- 44) The friability issue of the tablet can be solved by different ways except
A) Increasing the upper punch pressure of tablet machine
B) Addition of more tablet binder to granules
C) Increasing the moisture content of granules
D) Adjusting the lower punch pressure of tablet machine
- 45) Which of the following component is responsible for colour of shellac?



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- A) Shellic acid B) Gallic acid C) Laccaic acid D) Stearic acid
- 46) Which equation is used to predict the stability of a drug product at room temperature from experiments at accelerated temperature?
A) Higuchi equation B) The arrhenius equation C) Hildebrand equation
D) Hixson Crowell equation
- 47) In Exothermic process, Increase in temperature indicates
A) Reactant concentration is more B) Product yield is more
C) Reaction has stopped D) Equilibrium has been achieved
- 48) In pre formulation study polymorphs can be detected by
A) Counter current method B) Refractometry C) HPLC
D) Differential scanning calorimetry
- 49) Which of the following oxide is not used for achieving Amber color to glass
A) Manganese B) Iron C) Cobalt D) Carbon
- 50) Which among the following is a Class I method used for rendering a solution of drug isotonic with body fluids
A) Cryoscopic method B) White- Vincent method C) Sprowls method
D) Hammarlund method
- 51) High angle of repose of the granules indicates
A) Smooth surface of the granules B) Rough surface of the granules
C) High bulk density of the granules D) High porosity of granules
- 52) Liquid paraffin generally exhibits which type of flow
A) Plastic B) Pseudoplastic C) Newtonion D) Dilatant
- 53) Integrity of HEPA filters can be tested by
A) AOAC test B) FDA test C) DOP test D) None of the above
- 54) Sterilization monitor for radiation sterilization is
A) Bacillus var. niger b. B) Steareothermophilus
C) B.subtilis var globigil D) B.pumilus
- 55) Which method is suitable to determine initial distribution of drug into tissue?
A) Food material in stomach B) Plasma protein binding
C) Stomach emptying time D) Rate of blood supply to the tissue
- 56) Which microorganism is used in the I.P. assay of Streptomycin?
A) Bacillus cereus B) Staphylococcus epidermidis
C) Klebsiella peumoniae D) Micrococcus luteus



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- 57) Most frequently used non aqueous solvent in parentral preparations
A) Polyethylene glycol B) Methyl alcohol C) Dimethyl acetamide D) Dioxolane
- 58) A plastisizer and a high boiling point solvent used in the preparation of nail lacquers
A) Butyl stearate B) Methyl alcohol C) Ethyl alcohol D) acetone
- 59) How much weight variation is allowed for a capsule of 300 mg?
A) ± 10 B) ± 7.5 C) ± 5 D) ± 1
- 60) If the temperature of body is 39.6°C , then the reading in $^{\circ}\text{F}$ will be equal to
A) 98.7°F B) 99.4°F C) 103.28°F D) 105.37°F
- 61) Homogenization of emulsion is done with
A) Coulter-counter B) Ultrasonifier C) Chilsonator D) Accela cota
- 62) Fibrous and crude drugs are milled by
A) Cutter mill B) Revolving mill C) Roll mill D) Fluid energy mill
- 63) In parenteral production, finished packaging area should have cleanliness Level of
A) class 100 B) Class 1000 C) Class 10000 D) Class 100000
- 64) As the concentration of the impurity in the sample increases, melting point
A) Increases B) Decreases C) Remains unchanged D) Variable
- 65) According to the USP "Protection from light" in monograph indicates storage in a
A) Dark place B) Amber glass bottle
C) Light resistant container D) light resistant glass container.
- 66) Drugs formulated in one of the following pharmaceutical dosage forms do not decompose by first order kinetics
A) Capsules B) Oral suspensions C) Tablets D) Suppositories
- 67) The heavy metal impurity in a solution is 2 mg per liter. This concentration in terms of ppm is
A) 0.2 ppm B) 2 ppm C) 20 ppm D) 2000 ppm
- 68) Interparticular force is related to
A) Griffin B) Sorensen C) DLVO theory D) Ostwald ripening
- 69) Polyoxyethylene-20-cetyl ether is
A) Ionic Surfactant B) Nonionic surfactant C) Non surfactant
D) Cationic surfactant
- 70) Fine powder according to I.P.
A) Pass through mesh aperture size $180\ \mu\text{m}$
B) Pass through mesh aperture size $125\ \mu\text{m}$




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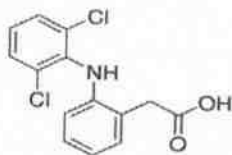
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- C) Pass through mesh aperture size 250 μm
D) Pass through mesh aperture size 355 μm
- 71) One of the conditioning agents in shampoo preparation is
A) Sulphonate B) Lanolin C) Carboxyvinyl polymer D) Carbomer
- 72) The dose of child by Fried's formula
A) (Age in months/150) x Adult dose B) (Age in years/150) x Adults dose
C) (Age in years/12) x Adult dose D) (Age in months/12) x Adult dose
- 73) Arrhenius plot is used for the determination of
A) Solubility of drug B) stability of drug C) pKa value of drug
D) Partition coefficient
- 74) Disposable syringes are made up of
A) Polypropylene B) Transparent polystyrene C) Glass
D) Poly tetra chloro ethylene
- 75) How many vibrational modes are possible for C_6H_{14} ?
A) 10 B) 15 C) 20 D) 25
- 76) The pyroelectric material is
A) Deuterated triglycine sulfate B) cesium C) Mixture of alkali substances
D) Doped silica
- 77) 2-diethyl amino ethyl 4- amino benzoate is IUPAC name of
A) Bezocaine B) Procaine C) Procainamide D) Piperacaine
- 78) Which sample combination is not suitable for precipitation titration?
A) Reaction of BaCl_2 with Na_2SO_4 B) Reaction of $\text{Pb}(\text{NO}_3)_2$ with NaI
C) Reaction of ZnCO_3 with HCl D) Reaction of AgNO_3 with KBr
- 79) The of 4- chloropyridine with Sodium ethoxide is an example of
A) Electrophilic substitution b) Addition and elimination
C) Nucleophilic substitution D) Electrophilic addition
- 80) Identify the following structure



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A) Chlorambucil B) Diclofenac c) Aceclofenac D) Chlroquine

81) DEMECLOCYCLINE differs from CHORTETRACYCLINE only by

- A) Absence of CH₃ group on carbon 6
- B) Presence of -OH group on carbon 6
- C) Absence of -N(CH₃)₂ group on carbon 4
- D) Absence of -OH group on carbon 3

82) The key intermediates for the synthesis of TIMOLOL are

- A) 3,4-dichloro-1,2,5-thiadiazole and morpholine
- B) 3,4-dichloro-1,2,5-thiadiazole and piperazine
- C) 3,4-dibromo-1,2,5-thiadiazole and morpholine
- D) 3-chloro-1,2,5-thiadiazole and morpholine

83) The major product formed by the condensation of 2-trifluoro methyl phenothiazine with sodamide and 1-(3-chloro propyl-4-methylpiperazine)

- A) Trifluoperidol B) Trifluoperzine C) Trifluopromazine
- D) Trifluophenothiazine

84) The drug Nifedipine can be synthesized from

- A) o-nitro benzaldehyde, methyl acetoactate and ammonia
- B) p-nitro benzaldehyde, methyl acetoactate and ammonia
- C) o-nitro benzaldehyde, ethyl acetoactate and methylamine
- D) p-nitro benzaldehyde, methyl acetoactate and methylamine

85) The IUPAC name for NAPROXEN is

- A) (S)-2-(6-ethoxy-2-naphthyl)-acetic acid
- B) (S)-2-(6-methoxy-2-naphthyl)-acetic acid
- C) (S)-2-(6-ethoxy-2-naphthyl)-propionic acid
- D) (S)-2-(6-methoxy-2-naphthyl)-propionic acid

86) 2-iminothiazolidine is treated with phenyloxiran to get a drug used in round worm infection

- A) Piperazine B) Tetramisole C) Thiabendazole D) Levamisole

87) Group I

Lanatosides

- P) Lanatoside A
- Q) Lanatoside B
- R) Lanatoside C
- S) Lanatoside D
- A) P-4,Q-1,R-3,S-2 B) P-1,Q-2,R-4,S-3 C) P-3,Q-4,R-2,S-1
- D) P-2,Q-3,R-1,S-4

Group II

Aglycone

- 1) Gitoxigenin
- 2) Diginatigenin
- 3) Digoxigenin
- 4) Digitoxigenin



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- 88) 11 β ,21-Dihydroxy pregn-4-ene-3,18,20-trione is
A) Aldosterone B) Progesterone C) Cholesterol D) Cortisone
- 89) The structural feature common for propranolol, atenolol, pindolol, metoprolol in the side chain is
A) Isopropyl amino propan-2-ol B) Dimethylamino propan-2-ol
C) Diethyl amino propan-2-ol D) Dibutylamino propan-2-ol
- 90) Gutzeit method is used for the treatment of
A) Iron B) chloride C) Arsenic D) Lead
- 91) Which of the following can exhibit geometric isomerism
A) 1-pentene B) 2-Pentene C) 2-methyl pentene D) 1-butane
- 92) Major product for penicilline degradation under weakly acid and alkaline hydrolytic condition is
A) Penilic acid B) Penilloic acid C) Penicillenic acid D) Penicilloic acid
- 93) Tailing of peak in GLC is reduced by using
A) Dimethyl silane B) Tetramethyl silane C) Hexamethyl disilazane
D) Trimethyl silane
- 94) In size exclusion chromatography the stationary phase used are
A) Alumina b) Dextrose C) Afarose D) Styrene
- 95) Blotting technique used for the identification of protein is
A) Northern B) Southern C) Dot D) Weseten
- 96) Which material is used in pressed pellet technique?
A) Cholorofluoro carbon oil B) Sodium Chloride C) Hexacholoro butadiene
D) Potassium Bromide
- 97) Propranolol is assayed by
A) 0.1M NaOH B) 0.1H₂SO₄ C) 0.1M NaNO₂ D) 0.1M HClO₄
- 98) Generation of ATP during citric acid cycle is
A) 8 B) 22 C) 24 D) 30
- 99) Cori's disease is due to defect in which of the following enzyme
A) Glucose-6-phosphatase B) Amylo- α 1,6 glucosidase
C) Phospho fructokinase D) Liver glycogen phosphorylase
- 100) The acid catalysed conversion of ketoxime to N- substituted amides is known as
A) Baeyer -Villiger Rearrangements B) Pinacole-Pinacolone Rearrangements



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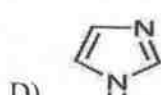
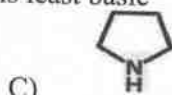
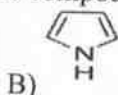
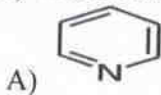
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C) Beckmann Rearrangement

D) Perkin condensation

101) Which test is used to differentiate primary, secondary and tertiary amines
A) Hinsberg's test B) Carboline Test C) Osazone test D) Hydroxylamine test.

102) which of the compound is least basic



103) Rancidity of oil is detected by

A) Acid number B) Saponification number C) Iodine number D) RM value

104) In solid solid mixing, large scale continuous type of mixer

A) Sigma blender B) Ribbon blender C) Zig zag blender D) Twin shell blender

105) Hip joint is a type of joint

A) Ball and socket B) Hinge C) Gliding D) Pivot

106) The cardiac output per minute in normal adult is

A) 5 liters B) 7 liters C) 8 Liters D) 9 liters

107) which ion is in highest concentration in the cells

A) Calcium B) Magnesium C) Sodium D) Potassium

108) Application for grant of licence of manufacture ayurvedic, sidhhaa or Unani drugs requires

A) Form 24D B) Form 25E C) Form 20 D) Form 21

109) Blood bank comes under the schedule

A) Schedule B B) schedule D C) schedule F D) Schedule G

110) Gelsication is the term used for

A) Freeze drying B) Turbo drying C) Vacume drying D) Rotary drying

111) Chemical name of Vitamin K3

A) Phylloquinone B) Menadione C) Menaquinone D) Napthoquinone

112) Active tubular secretion is determined by

A) Creatinine B) Mannitol C) Iodopyracet D) sodium sulfate

113) When abosorption is solubility or dissolution the rate limited order of




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Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 986652412 (Principal), +91 8718-230521 (Fax)

reaction will be

- A) First order B) second order C) Mixed order D) zero order

114) Absorption of contraceptives from vaginal route follows

- A) Passive diffusion B) endocytosis C) Carrier mediated transport D) pore transport

115) which of the following polymorphic form of drug has the highest solubility of drug

- A) Amorphous B) Metastable C) Stable D) Hydrated

116) Zeolite is

- A) Aluminium hydroxide gel B) Aluminium silicate C) Magnesium silicate D) Magnesium trisilicate

117) One thousand nanogram equals to one

- A) Centigram B) Gram C) milligram D) microgram

118) Retinol and retinal are inter converted requiring dehydrogenase or reductase in the presence of

- A) NAD or NADP B) NADPH C) FAD D) $\text{NADH}^+ \text{H}^-$

119) Pregnancy test kits are designed to detect which substance

- A) Leutinizing Hormone B) Progesterone C) HCG D) Estrogen

120) select a mill for a low melting drug

- A) Hammer mill B) Roller mill C) Ball mill D) Fluid energy mill

121) Tetrabutyl ammonium phosphate is used in HPLC

- A) For adjusting pH of the mobile phase B) As stationary phase
C) As chelating agent D) As ion pairing agent

122) Which of the following drug require Therapeutic drug monitoring

- A) Warfarin B) Prazocin C) Propranolol D) Metformin

123) Hospital formulary is a

- A) List of diseases B) List of drugs C) List of medical devices D) list of Prescriptions

124) Ethacrynic acid belongs to the class of

- A) Loop Diuretic B) ACE inhibitor C) Aldosterone antagonist D) Thiazides

125) In amperometric titrations, one of the following is kept constant

- A) Current B) Resistance C) Voltage applied D) Conductance




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COLLEGE OF PHARMACY

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Bajaj Institute of Pharmaceutical Sciences
Lakhsipally (V), Narsimhpet (M)
Warangal (TQ) - 506 331 (T.S)

Vagdevi College of Pharmacy

S.No.	Name of the Student	Mobile NO	E-Mail ID	College Name
1	T. Rajitha	9369245350	tharajitha47@gmail.com	Vagdevi College of Pharmacy
2	A. Pravalika	8790136192	Pravalikaannapud@gmail.com	Vagdevi College of Pharmacy
3	D. Pavan	8688816135	Pavanidamod@gmail.com	Vagdevi College of Pharmacy
4	A. Ashlesha	8688206265	adishalesha@gmail.com	Vagdevi College of Pharmacy
5	K. Suman	9346744794	Sumanakolke@gmail.com	Vagdevi College of Pharmacy
6	Adelli Anusha	9912271083	adelliketherthill@gmail.com	Vagdevi College of Pharmacy
7	Shanigaopu Sneena	7386430040	sneenashanigaopu@gmail.com	Vagdevi College of Pharmacy
8	Thallapally Saipriya	7569968546	Saipriyathallapally@gmail.com	Vagdevi College of Pharmacy
9	M. Suchanthra	9391813608	Suchanthramakul@gmail.com	Vagdevi College of Pharmacy
10	G. Surabhi	9370542805	Surabhi9499@gmail.com	Vagdevi College of Pharmacy
11	J. Akshita	9705886426	akshita9499@gmail.com	Vagdevi College of Pharmacy
12	M. Aparna	8688765552	aparnathallapally@gmail.com	Vagdevi College of Pharmacy
13	G. Pruthi	9381492735	pruthithallapally@gmail.com	Vagdevi College of Pharmacy
14	Aashiya Zahid	8555968971	AashiyaZahid20@gmail.com	Vagdevi College of Pharmacy
15	Afreenunnisa Begum	7981539060	afreenunnisa588@gmail.com	Vagdevi College of Pharmacy
16	Naziya bhanu	9392200815	NaziyaBhanu1019@gmail.com	Vagdevi College of Pharmacy



PRINCIPAL

Talla padmavathi (kv)

Name of the Student

Mobile No

E-Mail ID

College Name

1	Shajeeha Farhan	9616179190	Farhan2596@gmail.com	thallapadmavathi(kv)
2	Mausheen Jahan	9246896186	jahanmousheen5@gmail.com	thallapadmavathi(kv)
3	Bhavana Bollampally	7035523106	bhavanaquid@gmail.com	thallapadmavathi(kv)
4	UGA Ramya	7981133546	ramya13012000@gmail.com	thallapadmavathi(kv)
5	Yemala Ramya sr	9391692009	ramyasrivers1@gmail.com	thallapadmavathi(kv)
6	Prasanna harshitha	9502799341	harshithaprasanna1@gmail.com	thallapadmavathi(kv)
7	Jattula Adnapurna	9182142201	purrajattula8@gmail.com	thallapadmavathi(kv)
8	thallapalli pragna	9100252611	pragna-thallapalli8@gmail.com	thallapadmavathi(kv)
9	kakrula Akhila	859996682	kakrulaakhila22@gmail.com	thallapadmavathi(kv)
10	Gostula Anusha	9550951908	gostulaanusha9@gmail.com	thallapadmavathi(kv)
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Principal

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Warangal (D) - 506 331 (T.S)

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Laknepally, Narsampet Warangal Dist. Warangal-506331 2022-23

S No.	Hall Ticket No.	Name of the Student	Signature
1	35120-6003	ABU DARDA	Abu Darda
2	35120-6004	AKINEPELLE LIKHITHA	Likhitha
3	35120-6005	ALETI NIKSHIPTHA	Nikshiptha
4	35120-6006	AMBATI JYOTHSNA	Jyothsna
5	35120-6007	ANOWAR HUSSAIN	Hussain
6	35120-6009	ASHIQUE IKBAL	Iktbal
7	35120-6010	AYUB ALI	Ayub Ali
8	35120-6011	BANNA SADHANA	Sadhana
9	35120-6012	BHUKYA SATISH KUMAR	Satish Kumar
10	35120-6013	BODA SAI KRISHNA	Sai Krishna
11	35120-6014	BOLLAM REKHA	Rekha
12	35120-6015	BUSSA TEJASHREE	Tejasree
13	35120-6016	CHEDIPAKA PRASHANTHINI	Prashanthini
14	35120-6017	CHIKKULA RAVALI	Ravali
15	35120-6019	DUBEY SAURABH RAVINDRA	Saurabh Ravindra
16	35120-6020	ELUGAM MANICHANDANA	Manichandana
17	35120-6021	ENAGANTI PRATHYUSHA	Prathyusha
18	35120-6023	FARHA FARHEEN	Farheen
20	35120-6026	FULCHAN ALI KHAN	Ali Khan
21	35120-6028	GANDHAM BHAVANA	Bhavana
22	35120-6029	GANGABOYENA PAVANI	Pavani
23	35120-6030	GONDA ANUSHA	Anusha
24	35120-6031	GOPU PRANEETHA	Praneetha
25	35120-6032	HAMSA DILEEP	Dileep
26	35120-6033	HARALE SATHISH	Sathish
27	35120-6035	INJAMAM ALAM	Injamam
28	35120-6036	INJAMAMUL HOQUE	Injamamul
29	35120-6037	JANGILI NAVYA	Navya
30	35120-6038	JANNU POOJITHA	Poojitha
32	35120-6040	KADABOINA MOUNIKA	Mounika
33	35120-6041	KANDAKATLA MANIDEEPIKA	Manideepika
34	35120-6042	KATLA DIVIJENDRA CHARY	Divijendra
35	35120-6043	KEERTHI KEERTHIKA	K. Keerthika
36	35120-6044	KINNERA RAKESH	Rakesh
37	35120-6045	KONDETI RAMYA	Ramyas
38	35120-6046	KOPPUSHETTI YASHWANTHI	Yashwanthi
39	35120-6047	KOTA JAISMITHA	Jaismitha
40	35120-6048	LAKAVATH SANTHOSH	Santhosh
41	35120-6049	MACHARLA SUPRAJA	Supraja
42	35120-6050	MALOTH CHANDRASHEKHAR	Chandrashekar
43	35120-6051	MARIKUKALA RAKESH	Rakesh
44	35120-6052	MASUD AKTHER BARBHUIYA	M. A. Barbhuiya



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Warangal (Dt) - 506 331

2022-23

S No.	Hall Ticket No.	Name of the Student	Student Mob No
45	35120-6054	MEKA KAVYA SRI	Kavya Sri
46	35120-6055	MOHAMMAD NASREEN	Nasreen
47	35120-6056	MOKIBUR RAHMAN	Rahman
48	35120-6058	MOTHUKURI SATHVIKA	Sathvika
49	35120-6060	MUNJA JYOTHSNA	Jyothsna
50	35120-6061	MUSTAFA AHMED BARBHUIYA	Mustafa
51	35120-6062	NARRA AKHILA	Akhila
52	35120-6064	NOZIMUL ISLAM	Islami
53	35120-6065	ORUGANTI AJAY	Ajay
54	35120-6066	PABBATHI VARSHINI	Varshini
55	35120-6067	PARBHESH MUSARAF ALOM	Musaraf Alom
56	35120-6068	POLEPAKA SUPRIYA	Supriya
57	35120-6069	PULI PRAVALIKA	Pravalika
58	35120-6070	RAJIBUL ISLAM	Islami
59	35120-6072	RANGARAJU JAHANAVI	Jahanavi
60	35120-6073	REDDABOINA SAI KUMAR	Sai Kumar
61	35120-6074	REDDY RAJESH	Rajesh
62	35120-6075	ROHUL AMIN	Amin
63	35120-6076	SAHABUDDIN AHMED	Ahmed
64	35120-6077	SAYYED SAMEENA	Sameena
65	35120-6078	SHAHANUR ISLAM	Islam
66	35120-6079	T NAVEEN SINGH	Singh
67	35120-6080	VALUSA VINEELA	Vineela
68	35120-6082	WASHIM AKRAM	Akram
69	35120-6083	YERRA SAHITHI	Sahithi
70	35119-6005	BANDAVARAM NEELIMA	Neelima
71	35119-6063	FARUK ABDULLAH	Abdullah
72	35119-6064	SAHARUL ALOM MAZUMDER	Mazumder
73	35119-6065	SANIDUL ISLAM	Islam



[Signature]
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Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

GPAT MOCK TEST RESULT -2023

S.NO	STUDENT NAME	RANK	COLLEGE NAME
1	M.HARSHITHA	1	BROWNS COLLEGE OF PHARMACY
2	L.SAHITHI	2	BROWNS COLLEGE OF PHARMACY
3	P.SUPRIYA	3	BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES
4	A.PRAVALIKA	4	VAAGDEVI COLLEGE OF PHARMACY
5	K.AKHILA	5	TALLA PADMAVATHI COLLEGE OF PHARMACY
6	G.BHAVANA	6	BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES
7	G.ANUSHA	7	TALLA PADMAVATHI COLLEGE OF PHARMACY
8	M.SUPRAJA	8	BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES
9	T.RAJITHA	9	VAAGDEVI COLLEGE OF PHARMACY
10	B.REKHA	10	BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES




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