

2.2.1 The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Response:

The institution offers quality education with a structured curriculum and also provides a strong base for the nourishment and overall development of the girl students by strengthening their physical and intellectual abilities.

Most of the students joining the institution into various programs are from rural, semi urban and urban background with varied socio-economic status. Institution has a well framed approach in curriculum implementation to improve their quality. Some of the programs conducted for coping up of diversified students include the following:

Orientation Program:

Orientation Program for both B. Pharmacy and Pharm D is conducted in the first week of their admission. This enables the students know about different courses and the importance of each course in their program. The principal of the institution and the teaching staff of first-year Program are engaged in this Orientation Program.

Bridge Course:

Bridge Course has been designed to fill the basic knowledge gap between students of different disciplines and to make them confident as students from both MPC and BiPC backgrounds join B. Pharmacy and Pharm D programs. MPC students lack knowledge of Biology and BiPC students lack knowledge of Mathematics and the Bridge course serves the purpose of providing necessary insights.

Personality Development Program me:

Some learners have less focus on molding their personalities to the challenging environment because of the differences in maturity levels or their mind set. To address this problem and train the budding learners, after their admission are assessed to identify their skills, and sessions on Personality Development are arranged for about 3-5 days in the beginning of First Semester by expert trainers.

Communication Skills Classes:

The Institution offers English Communication Skills classes for UG students to improve their L-S-R-W skills and to make them good contenders globally.

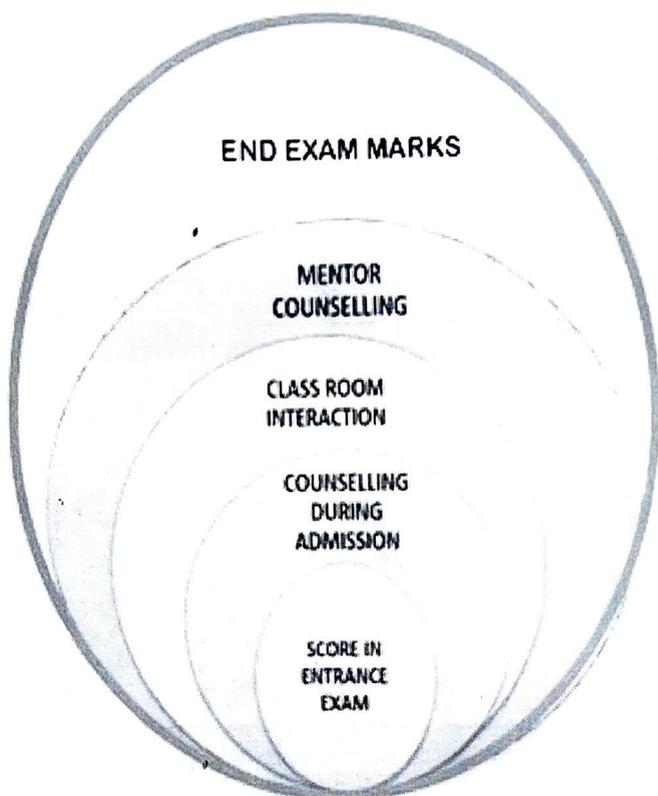
Assessment of Learning Capabilities:

Diversified students are assessed for their learning levels after their admission into different programs in the following manner:




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Based on the assessment, they are identified as advanced and slow learners. Special programs are planned and executed for them.

Programmes for Advanced Learners:

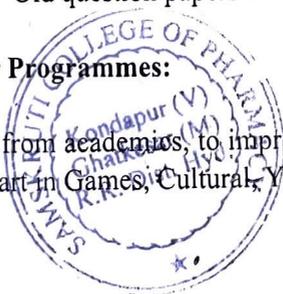
- They are encouraged to attend classes for qualifying in national and state level PG entrance exams like GPAT and TSPGECET.
- Advanced learners are encouraged to present Posters and Oral Presentations and Power Point presentations at Seminars/ Conferences/ Workshops etc.
- They are encouraged to publish research papers in National and International Journals.
- Advanced learners of Pharm D are encouraged to write articles for the News Letter "Sanjivini".

Programmes for Slow Learners:

- Slow learners are supported through mentorship.
- Special tutorials are conducted to revise the difficult topics.
- Special Communication Skills classes are arranged to improve their language skills.
- Remedial classes are conducted to improve knowledge on backlog subjects.
- Question banks are given to focus on important topics.
- Old question papers are discussed to make them comprehend the paper pattern.

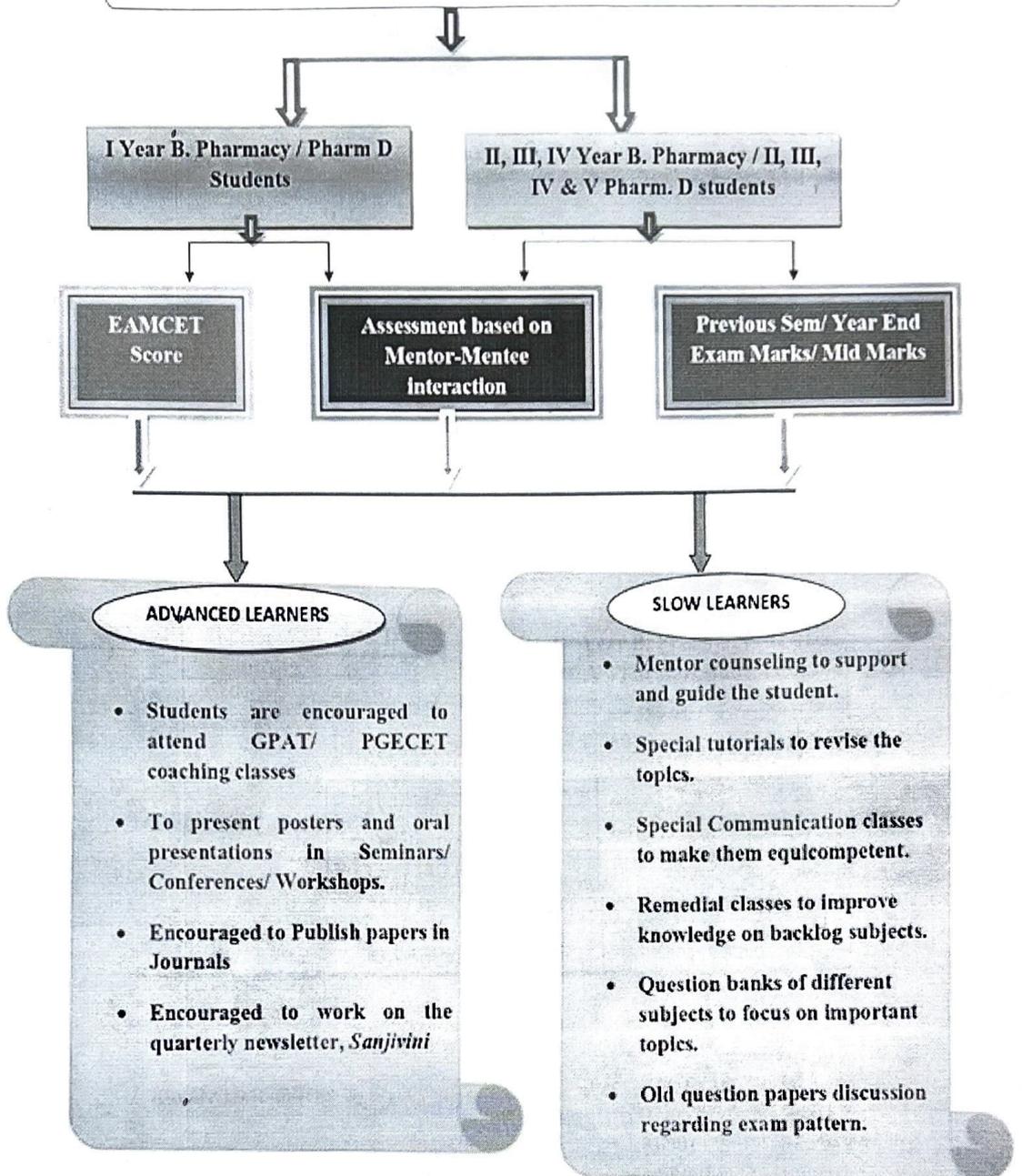
Other Programmes:

Apart from academics, to improve their cognitive abilities and physical fitness students are encouraged to take part in Games, Cultural, Yoga, Karate and NSS activities.



[Signature]
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Nadchal Dist. Pin-501 303

IDENTIFICATION OF ADVANCED & SLOW LEARNERS



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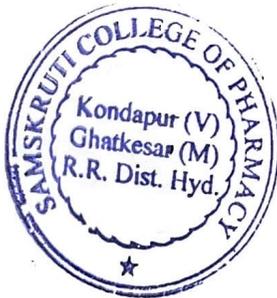
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Cell:9701368996,

LIST OF ADVANCED AND SLOW LEARNERS IV B. Pharmacy II SEM A.Y. 2021-2022

ADVANCED LEARNERS		SLOW LEARNERS	
HALL TICKET NUMBER	NAME OF THE STUDENT	HALL TICKET NUMBER	NAME OF THE STUDENT
18Y71R0004	AMREEN FATHIMA	18Y71R0008	ASIK MONDAL
18Y71R0013	CHINALA USHARANI	18Y71R0015	DHARMARAJ SONY
18Y71R0016	DHULIPALLA JASMITHA SAI	18Y71R0024	HABIBULLAH
18Y71R0019	GADAPAKA SINDIYA	18Y71R0029	KANTATI RAJESH
18Y71R0022	GUDA SRAVAN KUMAR GOUD	18Y71R0037	KUKKADUVVU AKANKSHA
18Y71R0042	M RANJITH	18Y71R0046	MD ARIF ALI
18Y71R0058	PARIHAR DURGA SEERVI	18Y71R0056	PALADUGU SAI KIRAN
18Y71R0069	SAACHI	18Y71R0066	RAHI MASUM RAJA
18Y71R0070	KM SAKSHI SINGH	18Y71R0064	PUTTURU SHAILUSHA
18Y71R0077	SANGAM HARSHINI	18Y71R0073	SAHENSHA ALOM
18Y71R0079	SIDDANI PREETHI CHANDANA	18Y71R0076	SAMIM ANSARY



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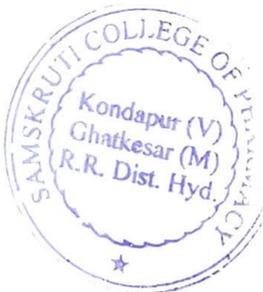


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LIST ADVANCED AND SLOW LEARNERS

III YEAR B. Pharmacy II SEM A.Y 2021-22

ADVANCED LEARNERS		SLOW LEARNERS	
HALL TICKET NUMBER	NAME OF THE STUDENT	HALL TICKET NUMBER	NAME OF THE STUDENT
19Y71R0001	A. Aishwarya	19Y71R0025	G Sai Manoj
19Y71R0018	Ch. Akhila	19Y71R0030	K. MAHESH
19Y71R0020	E. Nagaraj	19Y71R0038	Madari Naveen
19Y71R0021	G. Bhavitha	19Y71R0085	Shamim Akhtar
19Y71R0039	Priyanka	19Y71R0089	SUBHAJIT SARKAR
19Y71R0052	Venkata Maha Lakshmi	19Y71R0099	V. Dinesh Goud
19Y71R0059	O.S. Navya Sree		
19Y71R0064	Sirisha		
19Y71R0081	Sahasra Shivani		
19Y71R0001	A. Aishwarya		
19Y71R0018	Ch. Akhila		



[Signature]
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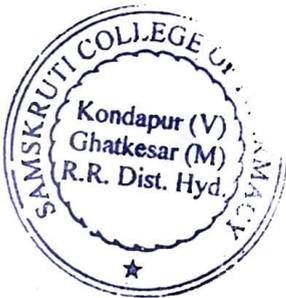
Cell:9701368996,



LIST ADVANCED AND SLOW LEARNERS

II YEAR B. Pharmacy II SEM A.Y 2021-22

ADVANCED LEARNERS		SLOW LEARNERS	
HALL TICKET NUMBER	NAME OF THE STUDENT	HALL TICKET NUMBER	NAME OF THE STUDENT
20Y71R0007	AMGOTH AKHILA	20Y71R0003	AKASH KUMAR SINGH
20Y71R0009	ARIKELLA VARSHA	20Y71R0011	B. NAVEEN KUMAR
20Y71R0015	BATHULA SHRUTHI	20Y71R0018	CHIMMANI NAGAMANI
20Y71R0017	CHELSIA K.A.S	20Y71R0033	INJAMUL HOQUE
20Y71R0035	JUKURI KAVYA	20Y71R0042	KANNEBOINA AJAY KUMAR
20Y71R0043	KANTHALA SREEJA	20Y71R0051	LANJAPALLI SIMHADRI
20Y71R0073	P. NITHUSHA	20Y71R0068	MOHAMMED ROSHAN
20Y71R0085	SANIKINENI VISHNU PRIYA	20Y71R0003	AKASH KUMAR SINGH
20Y71R0099	VANKA BHAVYA SRI		
20Y71R0092	SONKAMBLE SURYAPRABHA		
20Y71R0008	ARE SHIVANI		
20Y71R0007	AMGOTH AKHILA		



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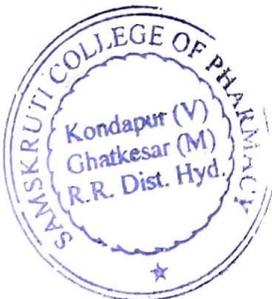
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LIST ADVANCED AND SLOW LEARNERS

I YEAR B. Pharmacy II SEM A.Y 2021-22

ADVANCED LEARNERS		SLOW LEARNERS	
HALL TICKET NUMBER	NAME OF THE STUDENT	HALL TICKET NUMBER	NAME OF THE STUDENT
21Y71R0008	BADUGU RAVALI	21Y71R0001	ABDUL HANNAN
21Y71R0012	BANDARI VISHALA	21Y71R0009	BANAKA BHUVANESHWARI
21Y71R0017	BERI CHAITANYA PRASAD	21Y71R0024	CHILUVERU KALYANI
21Y71R0026	DASARI NEMA	21Y71R0059	NENAVATH BALUPRASAD
21Y71R0031	ESLAVATH PADMA BAI	21Y71R0077	RUBOL MOLLAH
21Y71R0034	GADIGE SAI CHAITANYA	21Y71R0090	SHAIK SAMAR THOUHEED
21Y71R0053	MALOTH VISHNU	21Y71R0099	TRISHA B
21Y71R0063	PASHIKANTI SUSHMA		
21Y71R0073	RAMJAN ALI		
21Y71R0086	SANIYA		
21Y71R00A0	V KAVYA		



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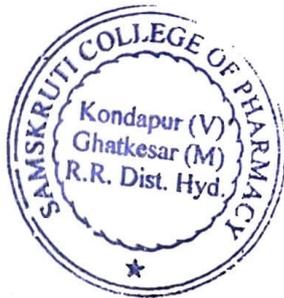


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LIST ADVANCED AND SLOW LEARNERS

PHARM.D V YEAR A.Y 2021-2022

ADVANCED LEARNERS		SLOW LEARNERS	
HALL TICKET NUMBER	NAME OF THE STUDENT	HALL TICKET NUMBER	NAME OF THE STUDENT
17Y71T0001	A BHAVITHA	17Y71T0014	KOTA LAVANYA
17Y71T0010	FOUZIYA BEGUM	17Y71T0026	M VINITHA
17Y71T0021	PILLI AISHWARYA	17Y71T0030	JASMINE SHAIK
17Y71T0025	YERUKALA SHIRISHA		




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LIST ADVANCED AND SLOW LEARNERS

PHARM.D IV YEAR A.Y 2021-2022

ADVANCED LEARNERS		SLOW LEARNERS	
HALL TICKET NUMBER	NAME OF THE STUDENT	HALL TICKET NUMBER	NAME OF THE STUDENT
18Y71T0004	B GOURI SHANKAR	18Y71T0003	ANKIT THAKUR
18Y71T0010	KOTHAPALLY KARUNASRI	18Y71T0013	MD KERAMATULLAH
18Y71T0012	M SANJANA	18Y71T0018	P VIJAYA SUSHMA
18Y71T0024	SARA FATIMA	18Y71T0028	SYED SANA SULTHANA



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LIST ADVANCED AND SLOW LEARNERS

PHARM.D III YEAR A.Y 2021-2022

ADVANCED LEARNERS		SLOW LEARNERS	
HALL TICKET NUMBER	NAME OF THE STUDENT	HALL TICKET NUMBER	NAME OF THE STUDENT
19Y71T0009	KATHROJU RAKESH	19Y71T0001	AMIR SOYEL
19Y71T0014	MOOLA JOYCY LOVELY	19Y71T0005	GOREKAR SUSSANA SUPRIYA
19Y71T0024	TANGUDIGE SHREYA	19Y71T0013	MD MASIHUR RAHAMAN
19Y71T0029	K.N. HIRANMAI	19Y71T0021	SARFARAJ KHAN
19Y71T0025	VADLAKONDA PRAVALIKA		



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LIST ADVANCED AND SLOW LEARNERS

PHARM.D II YEAR A.Y 2021-2022

ADVANCED LEARNERS		SLOW LEARNERS	
HALL TICKET NUMBER	NAME OF THE STUDENT	HALL TICKET NUMBER	NAME OF THE STUDENT
20Y71T0003	ANUMULA SAI AKSHITHA	20Y71T0024	SHAHANUR ALAM
20Y71T0005	BERA APOORVA	20Y71T0020	PAMULAPARTHY VARDHINI
20Y71T0013	KANIGANTI KAVYA		
20Y71T0019	NAMDARI SNEHA		
20Y71T0021	RACHA SHINY		
20Y71T0027	ARUMULLA ANANYA		


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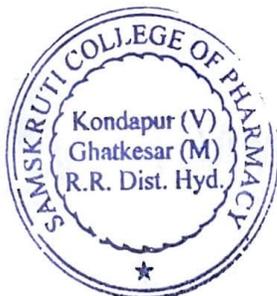
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LIST ADVANCED AND SLOW LEARNERS

PHARM.D I YEAR A.Y 2021-2022

ADVANCED LEARNERS		SLOW LEARNERS	
HALL TICKET NUMBER	NAME OF THE STUDENT	HALL TICKET NUMBER	NAME OF THE STUDENT
21Y71T0007	BRUNGI YOGITHA	21Y71T0018	KOLAMUDI POOJITHA
21Y71T0010	C AADYA	21Y71T0023	MD EMAMUL MONDAL
21Y71T0015	GADDAM SRAVANTHI	21Y71T0030	RONI ISLAM
21Y71T0020	LINGALA SRUTHI	21Y71T0032	KH RAJIBUL ISLAM
21Y71T0027	PALADUGU NAGARJUNA NAIDU		



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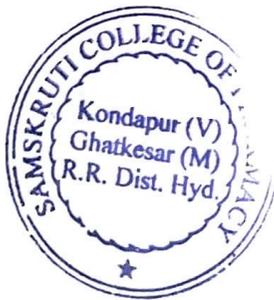


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Cell:9701368996,

LIST ADVANCED AND SLOW LEARNERS

M.PHARMACY I YEAR I SEM (PHARMACEUTICS) A.Y 2021-2022

ADVANCED LEARNERS		SLOW LEARNERS	
HALL TICKET NUMBER	NAME OF THE STUDENT	HALL TICKET NUMBER	NAME OF THE STUDENT
21Y71S0302	B PRUTHVI RAJ	21Y71S0301	ADULA SWATHI
21Y71S0307	PAMPAD IMRAN	21Y71S0308	S PRIYANKA
21Y71S0310	UPPALA POOJA		
21Y71S0311	VODIGA PREMALATHA		



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Cell:9701368996,

LIST ADVANCED AND SLOW LEARNERS

M.PHARMACY I YEAR I SEM (PHARMACEUTICAL ANALYSIS) A.Y 2021-2022

ADVANCED LEARNERS		SLOW LEARNERS	
HALL TICKET NUMBER	NAME OF THE STUDENT	HALL TICKET NUMBER	NAME OF THE STUDENT
21Y71S1202	ALAPATI SUREKHA	21Y71S1204	BOTTA SUPRIYA
21Y71S1206	CHERUPALLY NAVYANI	21Y71S1207	J SUCHITHA
21Y71S1208	MAGAPU VEERA BABU		
21Y71S1214	VALLAPU UMA RANI		



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LIST ADVANCED AND SLOW LEARNERS

M.PHARMACY I YEAR I SEM (PHARMACOLOGY) A.Y 2021-2022

ADVANCED LEARNERS		SLOW LEARNERS	
HALL TICKET NUMBER	NAME OF THE STUDENT	HALL TICKET NUMBER	NAME OF THE STUDENT
21Y71S0101	A SREEDEVI	21Y71S0103	ENDRAPATI HARSITHA
21Y71S0104	GUMMULA KRISHNAVENI	21Y71S0106	KALLEM KRISHNAVENI
21Y71S0108	KUTHATI THIRUPATHAMA		
21Y71S0110	R SRIHARI		




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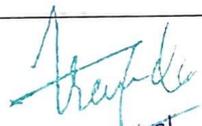
CIRCULAR

07/09/2021

All the students of IV B.Pharm are here by informed that Online Coaching for GPAT /NIPER/PGECEET Will be commenced from 07.09.21 to 10.03.2022 (on Saturdays) as per the schedule. Hence all, students are instructed to the attend the classes without fail.

S.NO	SUBJECT	NAME OF THE FACULTY
1	Pharmacology	Dr.D. Surya Devarakonda
2	Pharmaceutics	Shiva sri Krishna
3	Pharmaceutical Analysis	Dr.V. Ravikumar
4	Pharmacognosy	Dr.Y. Sirisha
5	Pharmaceutical chemistry	Sudhakar
6	Pharmaceutical microbiology	Dr.K. Nagarsee




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TIME TABLE 2021-2022

S.NO	DATE	MORNING SESSION	AFTERNOON SESSION
1	07/09/21	Pharmaceutics	Pharmacology
2	19/09/21	Pharmacognosy	Pharmaceutical Analysis
3	26/09/21	Pharmaceutical chemistry	Pharmaceutical microbiology
4	03/10/21	Pharmaceutics	Pharmacology
5	17/10/21	Pharmaceutical Analysis	Pharmacognosy
6	31/10/21	Pharmaceutical microbiology	Pharmaceutical chemistry
7	7/11/21	Pharmacology	Pharmaceutics
8	21/11/21	Pharmacognosy	Pharmaceutical Analysis
9	28/11/21	Pharmaceutical microbiology	Pharmaceutical chemistry
10	19/12/21	Pharmaceutics	Pharmacology
11	26/12/21	Pharmaceutical Analysis	Pharmacognosy
12	02/1/22	Pharmaceutical chemistry	Pharmaceutical microbiology
13	16/1/22	Pharmacology	Pharmaceutics
14	23/1/22	Pharmacognosy	Pharmaceutical Analysis
15	30/1/22	Pharmaceutical microbiology	Pharmaceutical chemistry
16	06/02/22	Pharmaceutics	Pharmacology
17	27/02/22	Pharmaceutical Analysis	Pharmacognosy
18	10/03/22	Pharmaceutical chemistry	Pharmaceutical microbiology



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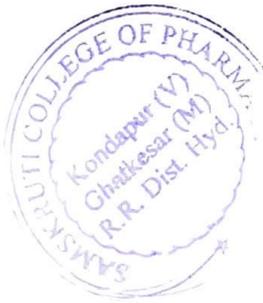
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Cell: 9701368996,

Samskruti College Of Pharmacy Organized Coaching for GPAT /NIPER/PGE CET exams from
from 07.09.21 to 10.03.2022 . The Crash course is specially designed for IV B.Pharm Students Who will appear
for GPAT /NIPER/PGE CET 2022.




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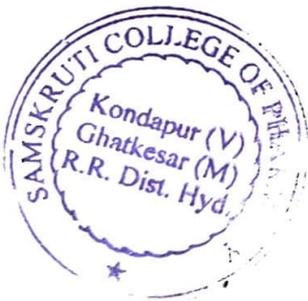


LIST OF PROGRAMMES FOR SLOW LEARNERS

A.Y 2021-2022

Based on socio economic back grounds and the assessment criteria listed slow learners are given the opportunity. To improve skills through flowing programs

- Mentor counselling to support and guide the students
- Special tutorials to revise the topic
- Remedial classes to improve knowledge on back log subjects
- Old question papers discussion regarding exam pattern.




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Medchal Dist. PIN-501301



SAMSKRUTI COLLEGE OF PHARMACY

(Sponsored by St. VINCENT EDUCATIONAL SOCIETY)

Regd. No. 5782/2000

(Approved by AICTE, PCI, New Delhi and Affiliated to JNTU, Hyderabad)

Kondapur Village, Ghatkesar Mandal, Medchal District (Old R.R. Dist.)- 501 301.

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SPECIAL PROGRAMS FOR SLOW LEARNERS

MENTOR -MENTEE COUNSELLING



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PHARMACEUTICAL ANALYSIS PHARM D III YEAR

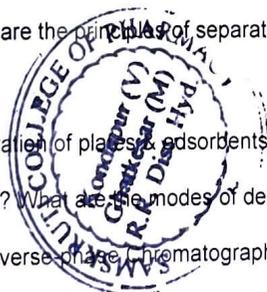
QUESTION BANKS

1. Discuss the principle & development techniques used in column chromatography Add a note on the adsorbents mobile phase & detection systems in column chromatography.
2. Write a note on development techniques in column chromatography.
3. Describe the preparation, activation of plates & adsorbents used in the TLC & write its application.
4. Define paper chromatography? What are the modes of development of paper chromatography & enumerate the application of paper chromatography.
5. Give a detailed account of principle, classification of Ion-Exchange process in pharmaceutical analysis.
6. What are the Ion-Exchange resins? Explain Mechanism of Ion-Exchange process and application of Ion-Exchange chromatography.
7. Explain with a neat diagram any three detectors used in Gas Chromatography.
8. Describe the construction and working of a Gas Chromatography? Emphasize on the ideal characteristics of stationary phases and mobile phases used in Gas Liquid Chromatography.
9. Describe instrumentation and application of HPLC.
10. Describe the principles and application of Electrophoresis.
11. Explain various methods of preparing TLC plates and its application.
12. How development is carried out in column chromatography, TIC & Paper chromatography.
13. Describe the principle of a Potentiometric titrations? Write the construction and working of a calomel electrode & glass electrode?
14. Give an account of the construction and working of glass electrode? Write the application of potentiometric titrations.
15. Describe the construction and working, advantages, disadvantages & application of a Standard Hydrogen Electrode.
16. Explain the theory & the types of Conductometric Titrations.
17. Write the basic principle of a potentiometry. Describe in detail Dead Stop End point techniques.
18. Describe the construction and working of a Double-Beam Recording Dispersive IR Spectrophotometer with its advantages and disadvantages.
19. Outline the working of a double beam recording of UV/Visible spectrophotometer Name each part of the system and functioning.
20. Describe the construction and working of Double-Beam UV/Visible spectrophotometer.
Mention the advantages of double beam over single beam spectrophotometer.



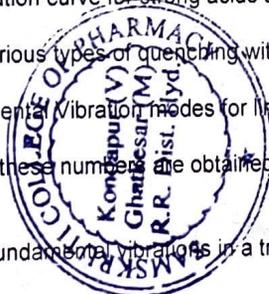
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1. a) Derive Beer's & Lambert's Law. b) what are the applications advantages and limitations of Beer's law
2. Describe the principle and Application of IR Spectroscopy for the following A) Detection of functional group (two example) B) Study of Hydrogen Bonding.
3. Explain the principal instrumentation and factors affecting fluorescence intensity
4. Write a note on paper electrophoresis.
5. What is electrophoresis? Mention their types.
6. Describe the principles and application of electrophoresis.
7. Write a note on HPTLC.
8. Write a note on instrumentation and application of HPTLC.
9. Define Validation? Classify and explain each type in briefs.
10. Define & Explain (1) Accuracy (2) Precision (3) Significant figure.
11. Describe different steps involved in validation master plan.
12. Explain the procedure to calibrate wavelength of UV Instrument.
13. Write a note on ICH Guidelines.
14. Describe the pharmaceutical water system Validation.
15. Define Validation? Explain types of "process Validation"?
16. What is the principle in potentiometric titration and How is the end point determined in Potentiometric titrations.
17. Enumerate the different reference electrodes & Indicators electrodes in potentiometric titrations.
18. Explain the principle underlying "Dead-Stop end point technique" and Null point potentiometry.
19. Explain the term a) HETP b) Retention time c) Theoretical plate d) Retention volume.
20. Define HPLC & write a note on detectors present in HPLC.
21. Write a note on Guard Column and its significance.
22. What are the techniques of separation in HPLC based on a) Principle of separation b) Elution Techniques c) Types of analysis d) scale of operation.
23. What is the principle in a) Normal-Phase Chromatography b) Reverse -Phase Chromatography c) Ion- Exchange Chromatography d) Ion-pair Chromatography.
24. Define chromatography? What are the principles of separations in chromatography.
25. Describe the preparation activation of plates & adsorbents used in TLC
26. Define paper chromatography? What are the modes of development in paper chromatography.
27. Explain two dimensional & Reverse phase chromatography.



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6. Explain various development techniques used in paper chromatography.
7. Enumerate the application of paper chromatography.
 - 1) alkaloid
 - 2) Cardiac glycoside
 - 3) Aldehydes or ketones
 - 4) proteins.
8. How will you perform quantitative analysis in paper chromatography
9. Compare the principle techniques limitations and application of paper chromatography with electrophoresis.
10. How does the following factors affect sepa...
15. write a note on paper electrophoresis.
16. What is electrophoresis? Mention their types.
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27. What is the principle in potentiometric titration and How is the end point determined in Potentiometric titrations.
28. Enumerate the different reference electrodes & Indicators electrodes in potentiometric titrations.
30. Explain with graphs the methods of potentiometric end point determination.
31. With titration curves, describe the principles of Conductometric titrations?
32. Explain with graph, the conductometric titration of a mixture of weak & strong acids with alkali.
33. Explain the conductometric titration curve for strong acids against weak base?
34. What is quenching? Explain various types of quenching with suitable examples?
35. What is the number of Fundamental Vibration modes for linear and non-linear molecules containing 'n' atoms? Explain how these number are obtained.
36. What is nebulization? Write a note on types of Burners used in Atomic emission spectrometer.
37. Depict the different modes of fundamental vibrations in a tri-atomic group (stretching & ...



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10. What is flame emission & atomic Absorption spectrometry? How do you estimate the amount of sodium by the above techniques
11. Explain the different modes of fundamental vibrations occurring in IR Spectroscopy.
12. What are the factors affecting the fluorescence.
13. Write a note on spectrophotometric titration.
14. Explain deformation vibrations in IR Spectroscopy
15. What are the effect of solvent & conjugation in UV Spectroscopy.
16. Write the structure and chemical name of BMR Reagent. Write the principle involved in the reaction of BMR with Sulphanilamide along with chemical reactions.

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17. State & explain the mathematical expression for Beer's & Lambe...
18. Give any four Important application of UV & Visible absorption spectroscopy.
19. How do you determine the amount of paracetamol in a given tablet according to IP by means of UV using 1cm cell (a-0.715 at 257nm).
20. Write a short note on ORD & give its applications.
21. Describe why UV/Visible spectrometry is widely used for assay of a drug sample than other methods.
22. What is the minimum requirements for a molecules to show I.R bands. State selection rule for exhibiting IR Vibrations.
23. What are the different sampling techniques for mounting a sample in the form of a solid, thin film, liquid or gas in the beam of IR spectrometer.
24. Why carbon-di-oxide shows some IR bands though the molecule as a whole does not possess any dipole moment?
25. Give approximate stretching wave number values for the following groups C-O, C-N, C=C, C=N.
26. What is the basic requirement for a nucleus to exhibit NMR phenomenon?
27. What are the main advantages of mass spectrometry.
28. Calculate (a) frequency (b) wave number) for the radiation of wavelength 530nm. ($c=3 \times 10^8$ m/s).
29. Calculate the wavelength corresponding to a radiation in which the energy of photon 5×10^{-22} J.
30. Calculate the frequency of a radiation of wavelength 700nm.
31. Give reason why you will get absorption curve rather than peak in Ultraviolet region. 32. What are the factors affecting fluorescence and phosphorescence?
33. What is Quenching? Explain various types of quenching with suitable examples?
34. What are self-quenching and true quenching.
35. Show the relationship between fluorescence intensity and concentration. Describe any four factors that influence fluorescence intensity?



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