



SREE NARAYANA COLLEGE CHATHANNUR



CRITERION I - CURRICULAR ASPECTS

1.1.1 - The Institution ensures effective curriculum delivery through a well-planned and documented process

1.1.1 - The Institution ensures effective curriculum delivery through a well-planned and documented process

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1. COLLEGE LEVEL MONITORING COMMITTEE(CLMC)

Sree Narayana College, Chathannur, has established a College Level Monitoring Committee (CLMC) to coordinate, supervise, and evaluate the academic activities of the institution. The committee oversees all academic operations, including conducting internal examinations, analysing results, managing class schedules, and monitoring the progress of academic-related activities. The CLMC holds regular meetings to analyse and evaluate academic progress, making informed and effective decisions. It is also responsible for implementing these decisions within the stipulated time frame. The committee comprises the Principal, all department heads, and faculty-nominated members.

MINUTES OF CLMC meeting held on 1/6/23

A CLMC meeting was conducted on 1/6/23 at the Principal's office on 1st June, 2023. Dr. Parasrathy Nand, CLMC Convenor welcomed the quorum and Sri. Amjith Sankaran, Principal presided the meeting.

AGENDA:-

- 1) Timing of the College.
- 2) Attendance Statement-
- 3) Commencement of class.

Members Present:-

- 1) Sri. Amjith Sankaran, Principal
- 2) Dr. Parasrathy Nand, CLMC Convenor.
- 3) Dr. Ravi Rajaram, HOD, Maths Dept
- 4) Dr. N. B. Seethak, HOD, Chemistry Dept
- 5) Dr. Bhavya Sree, HOD, Physics Dept
- 6) Dr. Nisha Somasagin, HOD, English Dept
- 7) Dr. Kiran Mohan, HOD, Karnataka Dept
- 8) Dr. Subhash Chandra, HOD, Hindi Dept
- 9) Dr. Sujata B. K.S., HOD, History Dept.



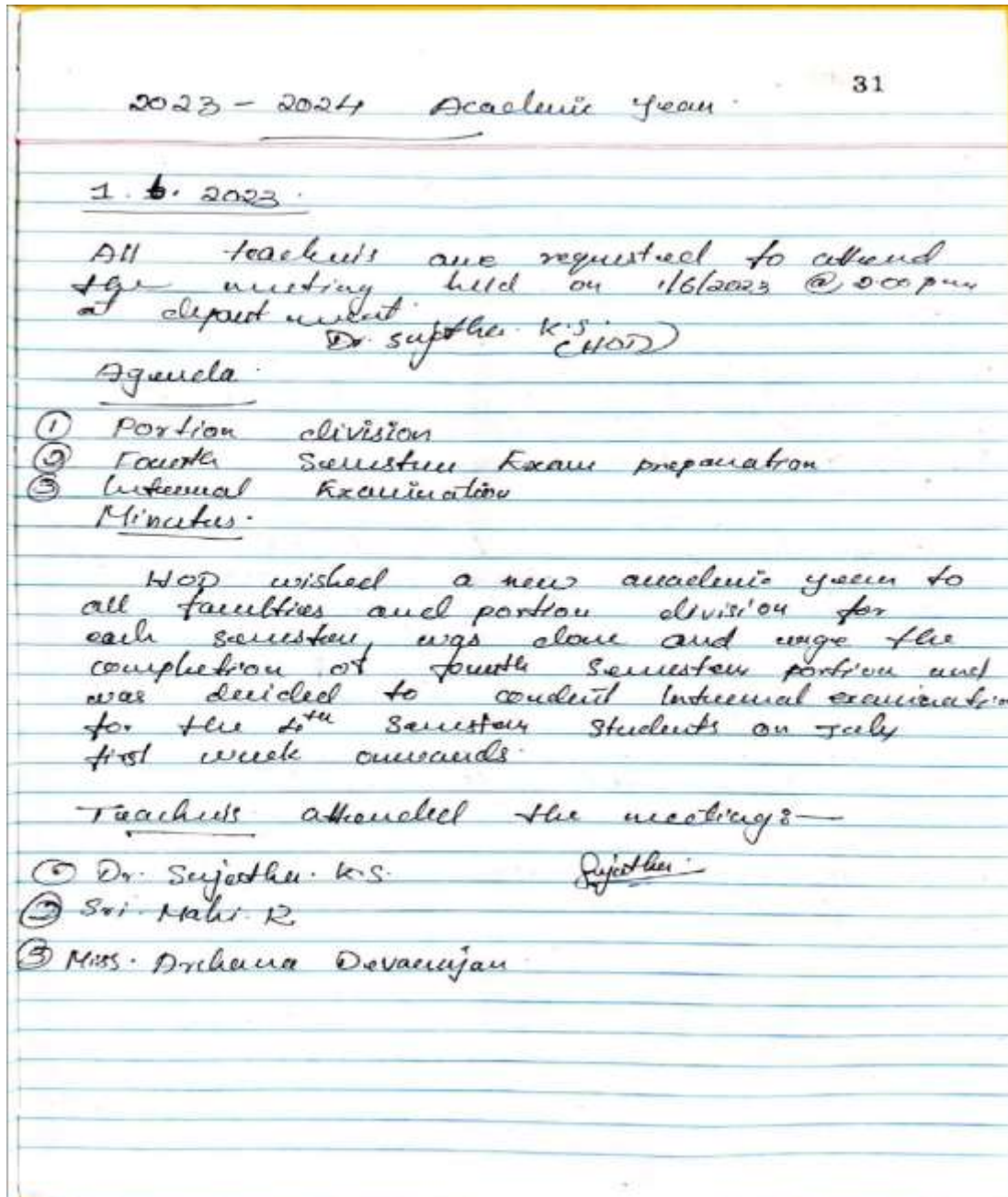
 Dr. Parasrathy Nand
 Dr. Ravi Rajaram
 Dr. N. B. Seethak
 Dr. Bhavya Sree
 Dr. Nisha Somasagin
 Dr. Kiran Mohan
 Dr. Subhash Chandra
 Dr. Sujata B. K.S.

Decisions Taken:-

- 1) Decided to take attendance of students on regular basis and are informed to forward the attendance statement of each class after the completion of two weeks to principal and CLMC Convenor.
- 2) No regular class for three days as part of admission proceedings. (2nd, 5th & 6th June, 2023). Online sessions can be arranged for the respective days.
- 3) The regular ^{working} timing of college is scheduled from 10 am to 4 pm.

2. DEPARTMENT MEETINGS

All departments in the college hold regular meetings to discuss departmental activities, review student progress, and plan teaching strategies. The **Head of the Department (HoD)** coordinates these meetings and provides an overview of the department's progress. Faculty members share their perspectives on various departmental matters, and feedback is used to refine action plans and implement new strategies when necessary. Class tutors present comprehensive reports on student progress to ensure a holistic evaluation.



MINUTES OF DEPT MEETING - 17th AUGUST 2023.

The welcome address to the department meeting held on 17/8/23 at 3:00 pm was addressed by Dr. Poojathy Nair, HOD of the dept. to all fellow faculties. The meeting started with 2 silent prayers.

AGENDA.

- 1) CA marking of SA, PG
- 2) Project submission of SA, PG
- 3) SB, PG commencement of class
- 4) Other matters.

Members present:

- 1) Dr. Poojathy Nair, HOD of Asst. professor. ~~Present~~
- 2) Dr. K. G. Biju, Asst. prof. ~~Present~~
- 3) Smt. Jiji P., " ~~Present~~
- 4) Smt. Dings B., " ~~Present~~
- 5) Smt. Biji B., " ~~Present~~

Decisions taken:-

- 1) The marks entry of SA, PG as part of internal examination were informed to all enter on time, before 23/8/23.
- 2) The in-charge of IT cells were asked to inform the submission of SA project on or before 18/8/23 to the students and ensure the guidelines to be followed while submission.
- 3) It is decided to commence I semester PG class from 1/8/23.

3. ACADEMIC PLAN

	APRIL 2023		MAY 2023		JUNE 2023		JULY 2023		AUGUST 2023		SEPTEMBER 2023	
Sa	1						1					
Su	2						2					
Mo	3	1. Class Started	1	May Day			3	60.				
Tu	4	2.	2	17.			4	61.	1	79.		

We	5	3.	3	18.			5	62.Display of results of CE	2	80.Last date for receipt of appln for utyexm with super fine		
Th	6	Maundy Thursday	4	19.	1	39.	6	63.	3	81.		
Fr	7	Good Friday	5	20.	2	40.	7	64.	4	82.	1	
Sa	8		6		3		8		5		2	
Su	9	Easter	7		4		9		6		3	
Mo	10	4.	8	21.	5	41.Conduct of Test Paper upto 13.06.2023	10	65.	7	83.	4	97.
Tu	11	5.	9	22.	6	42.	11	66.	8	84.	5	98.ESE starts
We	12	6.	10	23.Last date for sending list of regd students to uty.	7	43.	12	67.	9	85.	6	SreekrishnaJayanthi
Th	13	7.	11	24.	8	44.	13	68.	10	86.	7	99.
Fr	14	Ambedkar Jayanthi	12	25.	9	45.	14	69.	11	87.	8	100.
Sa	15	Vishu	13		10		15		12		9	
Su	16		14		11		16		13		10	
Mo	17	8.Last date for regtn to the courses	15	26.	12	46.	17	KarkidakaVavu	14	88.E	11	101.
Tu	18	9.	16	27.	13	47.	18	70.	15	Independence Day	12	102.
We	19	10.	17	28.	14	48.	19	71.	16	89.	13	103.
Th	20	11.	18	29.	15	49.	20	72. Exam notification	17	90.	14	104.
Fr	21	Eid ulFithar	19	30.	16	50.	21	73.	18	91.	15	105.
Sa	22		20		17		22		19		16	
Su	23		21		18		23		20		17	
Mo	24	12.	22	31.	19	51.	24	74.	21	92.	18	106.
Tu	25	13.	23	32.	20	52.	25	75.	22	93.	19	107.
We	26	14.Last date for allotting topics of assignmmt	24	33.	21	53.	26	76.	23	94.	20	108.Exam Conclusion
Th	27	15.	25	34.	22	54.	27	77.Last date for receipt of appln for uty exam without fine	24	95.	21	
Fr	28	16.	26	35.	23	55.	28	Muharam	25	96.	22	Sree Narayana Guru Samadhi
Sa	29		27		24		29		26		23	
Su	30		28		25		30		27		24	
Mo			29	36.	26	56.	31	78.Last date for receipt of appln for utyexm with fine	28	Onam holidays	26	
Tu			30	37.Last date for submn of assignments	27	57.Publication of result of test paper.			29		27	Nabi day
We			31	38.	28	Bakrid 58.			30		28	
Th					29				31		29	
Fr					30	59.Last date for submn of result of CE					30	

						by teachers to HoD						
	SEPTEMBER 2023	OCTOBER 2023	NOVEMBER 2023	DECEMBER 2023	JANUARY 2024	FEBRUARY 2024	MARCH 2024					
Sa												
Su		1										

Mo			2	Gandhi Jayanthi				1	63.					
Tu			3	6.				2	Mannam Jayanthi					
We			4	7.	1	25.		3	64.					
Th			5	8.	2	26.		4	65.Exam Notification	1	84			
Fr	1	Onam Holidays	6	9.Last date for submn of assignments	3	27.	1	47.	5	66.	2	85	1	105
Sa	2		7		4		2		6		3		2	
Su	3		8		5		3		7		4		3	
Mo	4	Last date for registration to the courses	9	10.Conduct of Test Paper upto 17.10.2023	6	28. Last date for submn of result of CE by teachers to HoD	4	48.	8	67.	5	86	4	106.ESE ends
Tu	5		10	11.	7	29.	5	49.	9	68.	6	87	5	
We	6	Sree Krishna Jayanthi	11	12.	8	30.	6	50.	10	69.	7	88	6	
Th	7		12	13.	9	31.Display of results of CE	7	51.	11	70.Last date for receipt of appln for utyexm without fine	8	89	7	
Fr	8	Last date for allotting topics of assignment	13	14.	10	32.	8	52.	12	71.	9	90	8	
Sa	9		14		11		9		13		10		9	
Su	10		15		12	Deepavali	10		14	Last date for receipt of appln for utyexm with fine	11		10	
Mo	11		16	15.	13	33.	11	53.	15	72.	12	91	11	
Tu	12		17	16.	14	34.	12	54.	16	73.Last date for receipt of appln for utyexm with super fine	13	92	12	
We	13		18	17.	15	35. Last date for submission of complaints reg CE	13	55.	17	74.	14	93.ESE starts	13	
Th	14		19	18.	16	36.	14	56.	18	75.	15	94	14	
Fr	15		20	19.	17	37.	15	57.	19	76.	16	95	15	
Sa	16		21		18		16		20		17		16	
Su	17		22		19		17		21		18		17	
Mo	18		23	Mahanavami	20	38.	18	58.	22	77.	19	96	18	
Tu	19		24	Vijayadasami	21	39.	19	59.	23	78.	20	97	19	
We	20		25	20.	22	40.	20	60.	24	79.	21	98	20	
Th	21	1.Class started	26	21.	23	41.	21	61.	25	80.	22	99	21	
Fr	22	Sree Narayana Guru Samadhi	27	22.	24	42.Last date for submn of attendance statement to uty	22	62.Last Date for submission of CE results to University	26	Republic Day	23	100	22	
Sa	23		28		25		23		27		24		23	
Su	24		29		26		24		28		25		24	
Mo	25	2.	30	23.	27	43.	25	Christmas	29	81.	26	101	25	

Tu	26	3.	31	24.Publication of result of test paper	28	44.	26		30	82.	27	102	26	
We	27	Milad E Sherif 4.			29	45.	27		31	83.	28	103	27	
Th	28				30	46.	28				29	104	28	
Fr	29	5.Last date for sending list of regd students to uty.					29						29	
Sa	30						30						30	
Su							31						31	

4. MASTER TIME TABLE

The master timetable is a comprehensive schedule that outlines the entire class schedule across all departments. It is designed to ensure the seamless operation of classes without any conflicts between departmental time tables. Timely updates and necessary modifications are made to this timetable in accordance with new directives issued by the university.

Days	Name of the Course	I Hour	II Hour	III Hour	IV Hour	V Hour
	II M. ScMaths	G1	RR	G1	G2	G2
	I M. ScMaths	RR	RK	G3	G4	G4
	III B. ScMaths	G2	G3	G4	G1	G1
	II B. ScMaths	Maths-G5	Statistics	Statistics	English	Physics
	I B. ScMaths	English	Physics	Physics	Second Language	Statistics
	II M. Com	IFMS- BJ	IT- MGS	Securities Portfolio- JJ	SCMA- DB	
Monday	I M. Com	Adv. CA	Business Ethics- PND	PDA-NTV	Research Methodology - VS	Legal Forms- MGB
	III B. Com	O/C	Accounting – Spl- DB	Fundamentals Fins- BJ	IT- MGB	CA
	II. B. Com	English	Company Admn- BS	Accounting - VS	E- Business - BJ	English
	I.B. Com	MPBE	ManagementNTV	English	M.E- BS	Second Language
	II M. Sc Chemistry	Chemistry (G4)	Chemistry (G2)	Chemistry (G3)	Chemistry (G2)	Chemistry (G4)
	I M. Sc Chemistry	Chemistry Lab (G1)	Chemistry Lab (G1)	Chemistry Lab (G1)	Chemistry (P4)	Chemistry (G1)
	III. B.Sc IC	Chemistry (P4)	Chemistry (P3)	Chemistry (P4)	Chemistry (P1)	Chemistry (P4)

II B. Sc IC	English	Chemistry Lab(P1+P2)	Chemistry Lab (P1+P2)	Maths – G5	English
I B. Sc IC	Maths- G 3	Second Language	English	Chemistry lab (P2+P3)	Chemistry lab (P2+P3)

III BA History	History (G1)	History (G2)	History (G1)	History (G2)	History (G2)
II BA History	History (G2)	Economics	Second Language	English	Political Science
I BA History	English	Political Science	History (G2)	Second Language	Economic s

Days	Name of the Course	I Hour	II Hour	III Hour	IV Hour	V Hour
	II M. ScMaths	RR	RK	G2	G1	G1
	I M. ScMaths	RK	RR	G4	G3	G3
	III B. ScMaths	G2	G1	G3	G4	G4
	II B. ScMaths	Statistics	Maths- G2	English	Physics	Second Language
	I B. ScMaths	Maths- G5	English	Physics	English	English
	II M. Com	IT- MGB	S C M A - - DB	I F M- BJ	S A P M- J J	LIC
Tuesday	I M. Com	Banking Ethics- PND	Planning DA- NTV	Adv- C A S- B S	L F B- MGB	Research Methodology- VS
	III B. Com	O/C- NTV	FM & S- BJ	Adv- Spl – D. B	C A- P N D	IT
	II. B. Com	FM- JJ	Adv. A/C – VS	E D P- PND	Adv. A/C- VS	CA
	I.B. Com	EVS- KGB	EVS- KGB	Second Language	English	M G
	II M. Sc Chemistry	Chemistry (G2)	Chemistry (G3)	Chemistry (G3)	Chemistry (P3)	Chemistry (G4)
	I M. Sc Chemistry	Chemistry Lab (P3)	Chemistry Lab (P3)	Chemistry Lab (P3)	Chemistry (G3)	Chemistry (G2)
	III. B.Sc IC	Chemistry (P2)	Chemistry Lab (P1+P4)	Chemistry Lab (P1+P4)	Chemistry (P2)	Chemistry

II B. Sc IC	Chemistry (P1)	Chemistry (P2)	Maths (G4)	Chemistry (P3+P4))	Chemistry (P3+P4))
I B. Sc IC	Chemistry (P4)	Second Language	Chemistry (P3)	English	Maths
III BA	History	History (G1)	History (G1)	History (G2)	History

History	(G2)				(G2)
II BA History	Political Science	History (G2)	English	History (G1)	Second Language
I BA History	History (G1)	English	Political Science	English	English

Days	Name of the Course	I Hour	II Hour	III Hour	IV Hour	V Hour
	II M. ScMaths	RK	G2	G2	G1	G1
	I M. ScMaths	G3	G3	RK	RR	RR
	III B. ScMaths	G2	G1	G3	G4	G4
	II B. ScMaths	Maths- G5	Physics	Physics	Second Language	Statistics
	I B. ScMaths	Second Language	English	Maths- G5	Statistics	English
	II M. Com	S C S M A- DB	S A P M- JJ	IT- VS	I F M- BJ	S C S M A- DB
Wednesday	I M. Com	L F B- M G B	Research Meth- V S	B E S C G- P N D	P S D A- N T V	Adv C/ A- B S
	III B. Com	O/C- N T V	C A- P N D	IT- M G B	C A D- B S	A/C
	II. B. Com	E D P- K G B	E- Business- B J	F M- JJ	C A D- B S	A/C

I.B. Com	ME- BS	Second Language	English	A P B E- JJ	M P S T
II M. Sc Chemistry	Chemistry lab (G2)	Chemistry lab (G2)	Chemistry lab (G2)	Chemistry (G 3)	Chemistry (G 2)
I M. Sc	Chemist	Chemistry (G 4)	Chemistry (G4)	Chemistry	Chemistry

Chemistry	ry (P2)			(G3)	(P3)
III. B.Sc IC	Chemistry (G3)	Chemistry (P3)	Chemistry (P3)	Chemistry lab (P3+G2)	Chemistry lab (P3+G2)
II B. Sc IC	Chemistry (P4)	Maths	Chemistry (P2)	Chemistry (G 1)	English
I B. Sc IC	Chemistry (G 1)	Chemistry (G3)	English	Maths	Second Language
III BA History	History (G2)	History (G1)	History (G2)	History (G1)	History (G2)
II BA History	History (G1)	History (G2)	Economics	Second Language	History (G1)
I BA History	Second Language	English	History (G1)	Economics	English

Days	Name of the Course	I Hour	II Hour	III Hour	IV Hour	V Hour
	II M. ScMaths	G2	R K	G1	G2	RR
	I M. ScMaths	G4	G3	RR	R K	RK
	III B. ScMaths	G1	G4	G4	G3	G3
	II B. ScMaths	English	Second Language	Physics	Statistics	Maths G1
	I B. ScMaths	English	Maths G1	English	Physics	Second Language
	II M. Com	S A P M – JJ	IFM – BJ	S C S M A- DB	IT- M G S	IT- MGB

Thursday	I M. Com	L F B- DB	Adv. CA- BS	Research Metho- VS	P & D A- N T V	B E
	III B. Com	CA- PND	A/C Spl- DB	C A- P N D	F M& S- BJ	IT
	II. B. Com	E- Business- BJ	F M- JJ	English	E D P- PND	A/C
	I.B. Com	ME- BS	M G T- NTV	M E- B S	Second Language	English
	II M. Sc Chemistry	Chemistry Lab (G3)	Chemistry Lab (G3)	Chemistry Lab (G3)	Chemistry Lab (G3)	Chemistry (P2)

	I M. Sc Chemistry	Chemistry (P4)	Chemistry (G4)	Chemistry (G4)	Chemistry (P3)	Chemistry (P3)
	III. B.Sc IC	Chemistry (G1)	Chemistry Lab (P3+G1)	Chemistry Lab (P3+G1)	Chemistry (G4)	Chemistry (G2)
	II B. Sc IC	Chemistry (P2)	Maths	English	Chemistry (P2)	Chemistry (P3)
	I B. Sc IC	Second Language	Chemistry (P2)	Maths	Chemistry (G2)	English
	III BA History	History (G1)	History (G2)	History (G1)	History (G2)	History (G2)
	II BA History	English	Second Language	History (G2)	Economics	History (G2)
	I BA History	English	Economics	English	History (G1)	Second Language
Days	Name of the Course	I Hour	II Hour	III Hour	IV Hour	V Hour
	II M. ScMaths	G2	G1	RR	R K	RK
	I M. ScMaths	RK	G4	G4	R R	RR
	III B. ScMaths	G4	G3	G1	G3	G4
	II B. ScMaths	English	Second Language	Maths G 2	Statistics	English
	I B. ScMaths	Maths- G1	English	Statistics	Second Language	Physics

	II M. Com	IT	S A P M	SC & M A	S A P M	I F A
Friday	I M. Com	LFB	Adc. C/ A	B E S C G	Research Metho	L F B
	III B. Com	A/C Spl	IT	F M S	Project	Project
	II. B. Com	C A D	E- Business	F M	E D P	English
	I.B. Com	M P D C- NTV	E V S	E V S	English	M G T
	II M. Sc Chemistr y	Chemistry Lab (G4)	Chemistry Lab (G4)	Chemistry Lab (G4)	Chemistry (G1)	Chemistry (G1)
	I M. Sc Chemistr y	Chemistry (P2)	Chemistry lab (P4)	Chemistry lab (P4)	Chemistry lab (P4)	Chemistry lab (P4)

	III. B.Sc IC	Chemistry (P4)	Chemistry (G1)	Chemistry (G1)	Chemistry (G3)	Chemistry (P2)
	II B. Sc IC	Chemistry (P3)	Maths	Chemistry (P3)	Chemistry (P2)	English
	I B. Sc IC	Maths	Chemistry (P2)	Chemistry (G2)	English	Second Language
	III BA History	History (G2)	History (G1)	History (G2)	History (G1)	History (G2)
	II BA History	English	Second Language	History (G1)	Political Science	English
	I BA History	History (G1)	English	Political Science	Second Language	History (G1)

5. ADMISSION PROCESS

Starting from the academic year 2012-2013, admissions to the first-degree programs under the CBCS system in Arts and Science colleges affiliated with the University of Kerala, as well as its centres have been conducted through an Online Centralised Allotment Process.

REPORT OF ADMISSION COMMITTEE 2023-2024

During the year 2023-2024, the admission procedures as per the Online Centralised allotment has been carried out successfully in the college with the collaborated efforts of the Management, Principal, Staff, PTA and Non-teaching staff. Before the commencement of the admission a committee is formed and decisions are taken in the meeting. It is decided to follow the guidelines issued by the University and also to adopt the seat matrix. Management Quota admission is the sole responsibility of the management. They will give the list of the students who are eligible for management quota and admission is carried out thereafter. An admission committee comprising the list of members mentioned below are constituted for the admission of students during the academic year 2023-2024.

Sri. Amjith S (Principal in charge), Dr. G Jayadevan (Management Nominee), Sri. B BGopakumar (SNDP Union President), DR. Kiran Mohan M (Assistant Professor in Malayalam, Admission Committee Convenor), Smt. Biji B(Assistant Professor in Commerce), Smt. Muth S (Assistant Professor in Industrial Chemistry), DR. Rani Rajeevan(HOD& Assistant Professor in Mathematics), DR. Parvathy Nandh (HOD & Assistant Professor in Commerce) DR. N B Sreekala (HOD & Assistant Professor in Chemistry) DR. Sujatha S (HOD & Assistant Professor in History) and Sri. Ajayan T (Office Superintendent).

Number of students admitted for UG& PG courses during this year.

Year - -2023-2024		
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Programme name & Code	Number of seats sanctioned & Admitted	Number of students admitted				
		SC	ST	OBC	Gen	Others
B.A History (140)	40/46	13	0	27	6	0
B.Com(159)	40/45	6	0	31	8	0
B.Sc Industrial Chemistry (241)	24/12	0	0	11	1	0
B.Sc Mathematics(220)	40/10	0	0	6	4	0
M.Com (590)	12/12	0	0	7	5	0
M.Sc Mathematics (620)	12/13	0	0	5	8	0
M.Sc Chemistry (635)	12/13	2	0	9	2	0

6. TUTORIAL SYSTEM

The group tutorial system aims to enhance the overall performance of students, enabling them to reach their full potential. Every student in the college is part of this system and is under the supervision of a designated tutor. Tutors assigned to student groups interact with them regularly, addressing their concerns and providing guidance and counseling to resolve any issues. This system allows tutors to offer personalized attention and foster strong personal bonds with their students, a crucial element in guiding and positively shaping the students' development.

GROUP TUTORS 2023-2024

Class	Name of Group Tutors
II M.Com	Ms. Biji. B
I M.Com	Ms. jiji. P
III B.Com	Dr. Parvathy Nand
II B.Com	Dr. Vishnu. S
I B.Com	Srr. Binoy. S
Final Year I.C.	Dr. Vishnu. V. R
First Year I.C	Smt. Saritha S.J. / Smt. Muthu S
I M.Sc Maths	Sri. Jeevan S / Smt. Ramsiya B
II M.Sc	Ms. Keerthana Mohanan S
III B.Sc.Maths	Ms. Rasmi Kundancheri
II B.Sc.Maths	Ms. Thrisara V Prasad
I B.Sc.Maths	Ms. Sruthy
III B.A History	Dr. Sujatha K.S
II B.A History	Sri. Mahi R
I B.A History	Sri. Abhinand S
I M.Sc Chemistry	Dr. Vidhya R.V
II M.Sc Chemistry	Dr. Divya. V

7. TEACHERS DIARY

The teaching faculty at this college maintain a teacher's diary to record their daily activities, including details of the classes they have conducted and the topics covered during each session. This practice ensures systematic tracking of instructional progress, fostering accountability and enhancing the overall organization of teaching activities


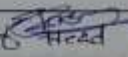
TEACHING PLAN

Academic year: 2023-2024

Topic	Proposed date of completion	Tentative date for seminar/assignment	Remarks
I.M.Sc Isomorphic Graphs Theorem 3.1 to Theorem 3.10 Connectivity Theorem 5.1 to Theorem 5.14 Traversability Theorem 6.1 to Theorem 6.12 Digraphs Theorem 7.1 to Theorem 7.11 Matching Theorem 8.3 to Theorem 8.17 coloring vertex coloring, Edge coloring Ramsey Numbers, Distance I.M.Sc Vector Spaces, Subspaces, Linear independence, Bases, Dimension theorems	16.10.2023 10.11.2023 13.12.2023 15.01.2024 25.01.2024 31.01.2024 20.02.2024 16.10.2023	23.10.2023 12.12.2023 17.10.2023	

Signature of Teacher

Signature of Head

Linear maps, null spaces, Rank nullity theorem, Matrix of Linear Map, invertibility	20.11.2023		
Invariant subspaces, Eigen- values and vectors, upper triangular matrices, Diagonal matrices	10.12.2023	15.12.2023	
Generalized Eigen vectors, Characteristic polynomial, Cayley-Hamilton theorem, Jordan form	18.01.2024		
Change of basis, Invertibility of an operator, relation between Characteristic polynomial and determinant	31.01.2024		
III B Sc Group, Subgroup, cyclic group	22.09.2023		
Permutations, isomorphism, Automorphisms, Examples	06.10.2023	18.11.2023	
Lagrange's theorem & applications	24.11.2023	9.12.2023	
Group homomorphism, fundamen- tal theorem of isomorphism	20.12.2023		
Signature of Teacher 			Signature of Head 



SREE NARAYANA COLLEGE

KARAMCODE (PO), CHATHANNUR, KOLLAM
Ph. 0474 2593312

Email: sncchathannur@gmail.com

Website: www.sncchathannur.ac.in



TEACHER'S WORK DIARY

20~~22~~ - 20....

SREE NARAYANA COLLEGE, CHATHANNUR : STATEMENT OF WORKS

Day	Date	Period	Classes engaged	Subject / Topic discussed	Remarks
Mon	13/11/23	1			
		2	II M-SC	University exam	
		3			
		4	I M-SC	Basis, examples.	
		5	III B-SC	Theorem 5.1, 5.2	
Tue	14/11/23	1	I M-SC	Exercise questions.	
		2			
		3			
		4	III B-SC	Theorem 5.3, Example	
		5	II M-SC		
Wed	15/11/23	1			
		2	III B-SC	Theorem 5.4, Lemma	
		3			
		4	II M-SC	University exam.	
		5	I M-SC	Dimension, example	
Thu	16/11/23	1	III B-SC	Theorem 5.5, 5.6.	
		2	III B-SC	Theorem 5.7	
		3			
		4	II M-SC	Theorem 5.8, Corollary 5.9	
		5	I M-SC	Linear Independence	
Fri	17/11/23	1			
		2	II M-SC	Theorem 5.10, 5.11	
		3			
		4	I M-SC	Examples on linear	
		5	I M-SC	independence.	

Signature of Teacher

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SREE NARAYANA COLLEGE, CHATHANNUR : STATEMENT OF WORKS

Day	Date	Period	Classes engaged	Subject / Topic discussed	Remarks
Mon	20/11/23	1			
		2	II M-Sc	Theorem 5.12, Theorem 5.13	
		3			
		4	I M-Sc	Theorem 1.24	
		5	III B-Sc	Group isomorphism, example	
Tue	21/11/23	1	I M-Sc	Theorem 1.26, Model Exam, 2)	
		2			
		3			
		4	III B-Sc	(Example 3, 4, 5, 6) Model Exam	
		5	II M-Sc	Theorem 5.14	
Wed	22/11/23	1			
		2	III B-Sc	(Example 7, Theorem 6.1) Model Exam	
		3			
		4	II M-Sc	Theorem 6.1, Coro: 6.2	
		5	I M-Sc	Linear dependence and examples	
Thu	23/11/23	1	III B-Sc	Theorem 6.2, Theorem 6.3	
		2	III B-Sc	Example 9, 10, 11	
		3			
		4	II M-Sc	Example 6.3	
		5	I M-Sc	Example 1.27	
Fri	24/11/23	1			
		2	II M-Sc	Theorem 6.4, Theorem 6.5	
		3			
		4	I M-Sc	Theorem 1.29	
		5	I M-Sc	Theorem 1.31	

Signature of Teacher

Signature of Head

8. ATTENDANCE


According to university guidelines, students are required to maintain at least 75% attendance to be granted the term. High attendance reflects effective engagement by faculty members, contributing to the achievement of curriculum outcomes. It also ensures that students engage in consistent learning across various courses, enabling them to excel in continuous assessments and end-semester examinations. Records show that over 80% of

students meet the attendance requirement. The importance of regular attendance is emphasized during the orientation program at the start of their course, fostering awareness among students about its critical role in their academic success.

SREE NARAYANA COLLEGE CHATHANNUR
DEPARTMENT OF MATHEMATICS
ATTENDANCE STATEMENT OF FOURTH SEMESTER M.Sc 2022 ADMN

Sl.No	Candidate Code	Name	Attendance %	Remark
1	62022130001	Akhila S	94	
2	62022130002	Anjali S	94	
3	62022130003	Anjana B Prasad	95	
4	62022130004	Anseelamol A	75	
5	62022130005	Ansu A	94	
6	62022130006	Anusha N S	90	
7	62022130007	Athira R	97	
8	62022130008	Athulya S S	94	
9	62022130009	Jennifer Martin	75	
10	62022130010	Keerthi A S	98	
11	62022130011	Megha M Lal	93	
12	62022130012	Premjith M P	75	
13	62022130013	Sangeetha Darsan	90	
14	62022130014	Sreelakshmi M S	93	
15	62022130015	Sruthy J R	94	
16	62022130016	Veena V S	94	
17	62022130017	Vidhya Shaji S	97	


Signature of Tutor


Signature of HOD


Signature of Principal

10.07.2024
PRINCIPAL
SREE NARAYANA COLLEGE
CHATHANNUR





SREE NARAYANA COLLEGE, CHATHANNUR
PG DEPARTMENT OF COMMERCE

VI SEM BCOM ATTENDANCE STATEMENT – 2023-2024

Sl No	CANDIDATE CODE	NAME OF THE STUDENT	PERCENTAGE OF ATTENDANCE
1)	15921130001	ABHIRAMI.B.U.	88
2)	15921130002	ABHIRAMI.R.A.	94
3)	15921130003	AKHILA.A.S.	82
4)	15921130004	AMAL.M.	78
5)	15921130005	ANAKHA.R.	84
6)	15921130006	ANJANA SUNIL	86
7)	15921130007	APARNA.V. SAJI	88
8)	15921130008	BIBIN.P.	88
9)	15921130009	BIBIN.B.	92
10)	15921130010	GANGA.B.RAJ	90
11)	15921130011	GAYATHRI.M.	82
12)	15921130012	HALEEM SUNIL	86
13)	15921130013	JEEVAN. P. NATH	78
14)	15921130014	MEENAKSHI.S. BABU (TC)	
15)	15921130015	MUHAMMED YASEEN.S.	82
16)	15921130016	MUNEERA.N.	86
17)	15921130017	NIKHIL MADHUSOODHANAN	88
18)	15921130018	NISHA.A.S.	84
19)	15921130019	PRAJANA DEVI.P.L.	88
20)	15921130020	S. SONU	82
21)	15921130021	SAJIN.S. KUMAR	87
22)	15921130022	SHILPA.D.M.	82
23)	15921130023	SIDHARTH.S.	90
24)	15921130024	SONA.S.	94
25)	15921130025	SREELEKSHMI.P.S.	82
26)	15921130026	SREELEKSHMI.S.	84
27)	15921130027	SUHRUDHA SINGH	82
28)	15921130028	VAISHNAV.B.S.	84
29)	15921130029	VAISHNAV.A.K.	88
30)	15921130030	VIJITHA KRISHNAN.S.	82
31)	15921130031	ACHU.J.	80
32)	15921130032	AKASH ANIL	80
33)	15921130033	AKHILA.T.	82
34)	15921130034	AL ARIF	86
35)	15921130035	AMINA.S.	88
36)	15921130036	ARATHY.S.	78
37)	15921130037	ATHIRA.B.	80
38)	15921130038	CHANDHINI.M.S.	84
39)	15921130039	DEVU.J.	0

40)	15921130040	GEETHU.S.	82
41)	15921130041	GREESHIMA.S.	88
42)	15921130042	KAVYA SUNIL	92
43)	15921130043	KHADEEJA BASHA	88
44)	15921130044	LITHIN THAMPI	82
45)	15921130045	MALU.M.S.	88
46)	15921130046	MIKITHA.M.	92
47)	15921130047	NOUFIYA.S.N.	86
48)	15921130048	NUSMLN.	88
49)	15921130049	RAHUL.S.	84
50)	15921130050	RAKHL.S.A.	84
51)	15921130051	RAMSL.S.	92
52)	15921130052	SARATH.S.	82
53)	15921130053	SIVAJITH.S.	79
54)	15921130054	SREEJITH.S.	86
55)	15921130055	SRUTHI RAJ	84
56)	15921130056	SUVARSHA.S.	82
57)	15921130057	SWATHI.S.	82
58)	15921130058	VAISAKHI.S.	86

Note: The student, DEVU.J.{15921130039} studying in III BCom, VI SEM didn't attend the class during the VI Semester .2023-2024

**Dr. PARVATHY NAND
HOD & CLASS TUTOR**

26-03-2024
Chathannur

PRINCIPAL

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SREE NARAYANA COLLEGE
CHATHANNUR





SREE NARAYANA COLLEGE, CHATHANNUR
Department of Mathematics

Attendance statement of Sixth semester B.Sc Mathematics (2020 Admn)

Sr. No.	Candidate Code	Name	% of Attendance
1	22020130001	AHLAM SHAJAHAN	
2	22020130002	AKSHAY A	92
3	22020130003	ANUJA A	78
4	22020130004	GAUTHAM.S	90
5	22020130005	JISHA U M	85
6	22020130006	MANEESH M B	94
7	22020130007	NIKHIL .M.S	79
8	22020130008	SAGARA S	79
9	22020130010	SANDRA A	90
10	22020130012	AARDRA R UDAYAN	95
11	22020130013	ABDUL LATHEEF. A	92
12	22020130014	ABHIJITH .R.S.	90
13	22020130015	ABHIRAMI .J.R	83
14	22020130016	ABIN J NAIR	90
15	22020130017	AHALYA A	78
16	22020130018	AISWARYA . B . S	90
17	22020130019	AMRITHA. G	81
18	22020130020	ARJUN P R	85
19	22020130021	ASWIN MANOJ	84
20	22020130022	ATHULIA A	86
21	22020130023	ATHULIA A	84
22	22020130024	BHAGYA CHANDRABOSE	94
23	22020130025	DEVIKA SEKHAR C	84
24	22020130026	JOBIN SUNNY	86
25	22020130026	LEKSHMI LAL	84
26	22020130028	PARVATHY M	92
27	22020130029	SANJU.S	85
28	22020130030	SARIKA. S. R	98
29	22020130031	SHASIYA S	85
30	22020130032	SREELAL.S.J	11
31	22020130032	SREELAL.S.J	78


Signature of Tutor


Signature of HOD


Signature of Principal

Dr. Rani Rajcena



PRINCIPAL
SREE NARAYANA COLLEGE
CHATHANNUR

9. INTERNAL EXAMINATIONS:

The College Level Monitoring Committee (CLMC) is responsible for coordinating and conducting internal examinations each semester. The question papers are prepared by the respective departments, and the evaluation of answer sheets is also carried out internally within the departments. This system provides an opportunity for faculty members to assess students' performance comprehensively. By evaluating their knowledge levels, teachers can identify areas where students need improvement and provide the necessary guidance and support. This process helps students strengthen their understanding and better prepare for the end-semester university examinations, ensuring they achieve their academic potential and perform successfully.


UNIVERSITY OF KERALA
 Re-accredited by NAAC with A++ GRADE

College : Sree Narayana College Chathannoor
 Programme : Mathematics(620)
 Semester : 2

Sl.No	Candidate Name	Candidate Code	01	02	03	04	Signature
1	AKHILA S	62022130001	25	23	24	25	<i>Akhila S</i>
2	ANJALI S	62022130002	20	22	21	21	<i>Anjali S</i>
3	ANJANA B PRASAD	62022130003	25	25	25	25	<i>Anjana B Prasad</i>
4	ANSEELA MOLA	62022130004	14	14	14	14	<i>Anseela Mola</i>
5	ANSU S	62022130005	25	25	25	25	<i>Ansu S</i>
6	ANUSHAN S	62022130006	18	19	20	21	<i>Anushan S</i>
7	ATHIRA R	62022130007	25	25	25	25	<i>Athira R</i>
8	ATHULYA S S	62022130008	25	25	25	25	<i>Athulya S S</i>
9	JENIFER MARTIN	62022130009	24	23	23	22	<i>Jenifer Martin</i>
10	KEERTHI A S	62022130010	25	25	25	25	<i>Keerthi A S</i>
11	MEGHA M LAL	62022130011	24	24	23	24	<i>Megha M Lal</i>
12	PREMITH M P	62022130012	20	23	20	21	<i>Premith M P</i>
13	SANGEETHA DARSAN	62022130013	14	14	14	14	<i>Sangeetha Darsan</i>
14	SREELAKSHMI M S	62022130014	25	25	24	25	<i>Sreelakshmi M S</i>
15	SRI/THY J R	62022130015	25	24	23	24	<i>Sri/Thy J R</i>
16	VEENA V S	62022130016	21	22	23	21	<i>Veena V S</i>
17	VIDHYA SHAJI S	62022130017	22	22	21	21	<i>Vidhya Shaji S</i>

01 - Abstract Algebra
 02 - Real Analysis-II

- Maximum mark : 25
 - Maximum mark : 25

10. ORIENTATION PROGRAMME :

Sree Narayana College, Chathannur organizes an annual Orientation Program for newly admitted students to familiarize them with the campus and its various activities. This program provides students with a comprehensive overview of the academic programs offered by the college, including details about extension activities and the diverse clubs operating on campus. Through these sessions, students gain valuable insights into the opportunities available to them, enabling them to make informed choices and actively participate in college life. The orientation also helps students understand the institution's values, culture, and expectations, fostering a sense of belonging and community. By introducing them to faculty members, administrative staff, and senior students, the program creates an environment of support and collaboration. Overall, this initiative ensures a smooth transition for the students into their new academic journey, allowing them to become well-acquainted with their institution and fully engage in its vibrant campus life.



(Orientation programme for I B.Sc Industrial Chemistry Students)

11.INDUCTION PROGRAMME

Sree Narayana College, Chathannur organizes an annual induction program for newly enrolled first-year undergraduate students to ease their transition from school to college life. This program bridges the gap between their previous educational experiences and the academic environment of the college. It aims to familiarize students with the

institution's vision, mission, values, and culture while introducing them to various academic and nonacademic opportunities available on campus. Through this initiative, students are better equipped to adapt to college life, fostering a sense of belonging and preparing them for a fulfilling and successful educational journey.



(Ms, Saritha S.J, Assistant Professor, Dep of Chemistry handling first session of Induction programme)

12. ENTRY LEVEL TEST

Our college conducts an entry-level test for first-year undergraduate students across various departments to assess their subject knowledge related to their chosen courses. Based on the test scores, the departmental monitoring committee identifies students who may require additional academic support. These students are then provided with tailored guidance and special assistance to help them achieve better academic outcomes.



(Entry level test conducted for I year B.Sc Mathematics and Commerce students)

13.ASSIGNMENTS AND SEMINARS

Assignments and seminars serve as key assessment tools to evaluate students' academic performance. Timely submission of assignments not only enhances subject knowledge but also instills a sense of punctuality. Participating in seminars offers students a unique learning experience, distinct from traditional classroom teaching. It enables them to apply, practice, and present the concepts and skills they have independently acquired. Teachers assign topics for assignments and seminars, set deadlines for submission, and allocate time slots for seminar presentations. Submitted assignments are reviewed, and seminar presentations are supervised by teachers, with marks awarded based on performance as per the university's prescribed evaluation system.



(Parvathy A S IV sem M.Sc, 2021-2023 admission student, presenting the seminar portion allotted on the subject ' Functional Analysis II' on the topic titled 'Spectrum and numerical range'.)

Linear Algebra

submitted by
Abhija . A
Roll No:
S. N college
Chathanoor

03/01/2023.

Theorem

Let $\begin{pmatrix} a & b \\ c & d \end{pmatrix}$ be an arbitrary matrix. We can find elementary matrices e_1, e_2, e_3, e_4 and a diagonal matrix $\begin{pmatrix} d_1 & 0 \\ 0 & d_2 \end{pmatrix}$, such that $e_1 e_2 \begin{pmatrix} a & b \\ c & d \end{pmatrix} e_3 e_4 = \begin{pmatrix} d_1 & 0 \\ 0 & d_2 \end{pmatrix}$

Proof

Suppose $a \neq 0$, we have

$$\begin{pmatrix} 1 & 0 \\ k & 1 \end{pmatrix} \begin{pmatrix} a & b \\ c & d \end{pmatrix} = \begin{pmatrix} a & b \\ ka+c & kb+d \end{pmatrix}$$

Taking $k = -c/a$, we get

$$\begin{pmatrix} 1 & 0 \\ k & 1 \end{pmatrix} \begin{pmatrix} a & b \\ c & d \end{pmatrix} = \begin{pmatrix} a & b \\ 0 & \alpha \end{pmatrix}$$

where $\alpha = -(c/a)b + d$ Also

$$\begin{pmatrix} a & b \\ 0 & \alpha \end{pmatrix} \begin{pmatrix} 1 & m \\ 0 & 1 \end{pmatrix} = \begin{pmatrix} a & ma+b \\ 0 & \alpha \end{pmatrix}$$

Taking $m = -b/a$, we get

$$\begin{pmatrix} a & b \\ 0 & \alpha \end{pmatrix} \begin{pmatrix} 1 & m \\ 0 & 1 \end{pmatrix} = \begin{pmatrix} a & 0 \\ 0 & \alpha \end{pmatrix}$$

Thus we have

$$\begin{pmatrix} 1 & 0 \\ k & 1 \end{pmatrix} \begin{pmatrix} a & b \\ c & d \end{pmatrix} \begin{pmatrix} 1 & m \\ 0 & 1 \end{pmatrix} = \begin{pmatrix} a & 0 \\ 0 & \alpha \end{pmatrix}$$

if $\alpha = 0$, either $\begin{pmatrix} a & b \\ c & d \end{pmatrix}$ is the zero matrix, or some entry is non-zero, say $c \neq 0$. Then

$$\begin{pmatrix} 0 & 1 \\ 1 & 0 \end{pmatrix} \begin{pmatrix} a & b \\ c & d \end{pmatrix} = \begin{pmatrix} c & d \\ a & b \end{pmatrix}$$

Since $c \neq 0$, the preceding reasoning applies to $\begin{pmatrix} c & d \\ a & b \end{pmatrix}$

and we can choose shear matrices e_1 and e_3 such that

$$e_1 \begin{pmatrix} c & d \\ a & b \end{pmatrix} e_3 = e_1 e_2 \begin{pmatrix} a & b \\ c & d \end{pmatrix} e_3$$

is a diagonal matrix, where $e_2 = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$. If $b \neq 0$ or $d \neq 0$, we proceed in a similar way to obtain.

2) verify that the sum of the squares of the distance from a point X to the lines $ax+by=0$ and $bx-ay=0$ is equal to the square of the length of X .

Let $X = \begin{pmatrix} x_0 \\ y_0 \end{pmatrix}$ let 'd' be the distance from X to the line $ax+by=0$. d' is the distance from X to the line $bx-ay=0$.

$$d = \frac{|ax_0 + by_0|}{\sqrt{a^2 + b^2}} \quad d' = \frac{|bx_0 - ay_0|}{\sqrt{a^2 + b^2}}$$

$$d^2 = \frac{|ax_0 + by_0|^2}{a^2 + b^2} \quad (d')^2 = \frac{|bx_0 - ay_0|^2}{a^2 + b^2}$$

$$d^2 + (d')^2 = \frac{a^2 x_0^2 + 2ax_0 by_0 + b^2 y_0^2 + b^2 x_0^2 - 2bx_0 ay_0 + a^2 y_0^2}{a^2 + b^2}$$

$$= \frac{a^2 (x_0^2 + y_0^2) + b^2 (x_0^2 + y_0^2)}{a^2 + b^2}$$

$$= \frac{(x_0^2 + y_0^2) (a^2 + b^2)}{a^2 + b^2}$$

$$= x_0^2 + y_0^2$$

$$= |X|^2$$

$$d^2 + (d')^2 = |X|^2. \text{ Hence the proof.}$$

Q.1/8
5/6

Linear.

14. PEER TEACHING AND CROSS TEACHING

Our college encourages peer teaching and cross-teaching for both undergraduate and postgraduate classes, offering students a unique learning experience beyond traditional faculty-led instruction. This approach enhances students' communication skills and boosts their self – confidence.



(Peer teaching: Megha M Lal from I M.Sc Mathematics, 2022-2024)

15. MENTOR & MENTEE SYSTEM

The mentor-mentee system in the college serves as an effective approach to strengthening the student-teacher relationship. It provides an excellent platform for students to engage with their mentors, facilitating meaningful interactions. Through this system, teachers can offer personalized attention, individual guidance and support for each mentee.

CIRCULAR

MENTORING PROGRAM 2023-2024 Appointment of Mentor-Sanction Accorded-Orders Issued

The Mentor-Mentee Program is an essential part of an institute, facilitating a connection between faculty and students. Mentoring offers students emotional and instrumental support, guidance, encouragement, and fosters a positive environment within the institution. A mentor plays a crucial role in nurturing students and positively influencing their academic success. Mentees can seek advice from their mentors on both educational and personal matters. The program aims to enhance students' diverse skills while promoting strong interpersonal relationships between faculty and students. In relation to the College Council and Academic Monitoring Committee, we are releasing the Mentor-Mentee list for both UG and PG students. Each faculty member will mentor a group of 20 students based on the enrolment numbers in each program. Mentors are required to compile a list of their assigned mentees, including details such as Name, Class, Division, Roll Number, Aadhar Number, Contact Number, and Email ID. Mentors should encourage and support their mentees in various areas, including academic performance and extracurricular activities, while also providing guidance on issues such as academics, university results, hostel accommodations, fees, placements, career advice, higher studies, transport for day scholars, club activities, social extension projects, certificate courses, and skill development courses.

OBJECTIVES OF MENTORSHIP PROGRAM

- ☐ Mentors can take on various roles, including that of a model, advisor, friend, teacher, and resource person. Each of these roles contributes significantly to the mentor-mentee relationship.
- ☐ They have the potential to bring about significant changes in the mentees' social, professional, and academic viewpoints.
- ☐ Mentors can serve as coaches by providing advice, suggestions, and guidance to mentees regarding their career planning and future advancement.
- ☐ Offering support in both academic and non-academic areas.
- ☐ Motivating and helping students stay focused on achieving their learning goals, which enhances their academic performance.
- ☐ Offer students guidance, encouragement, and advice related to their overall well-being, including mental and emotional health.
- ☐ Listen patiently to students' concerns and support them in resolving their issues.
- ☐ Foster and inspire students' interest and enthusiasm in academics, as well as co-curricular and extracurricular activities.

DUTIES AND RESPONSIBILITIES OF A MENTOR:

- ☐ Encourage the personal and professional growth of the mentee.
- ☐ Enhance the mentee's leadership and management skills.
- ☐ Assist the mentee in forming a deeper, more meaningful connection with the institute.
- ☐ Expose the mentee to the emerging talent pool.
- ☐ Offer career guidance and advice on transitioning from the classroom to the workplace.
- ☐ Establish a professional standard as a role model and example for others.
- ☐ Develop the interpersonal skills necessary for future dentist-patient relationships.

- ☐ Enhance relationships with colleagues and supervisors.

BENEFITS TO THE INSTITUTE:

- ☐ The mentorship program will strengthen community connections.
- ☐ It will inspire and motivate students, boosting the overall morale of the learning community.
- ☐ The program aims to maximize individual student achievements while supporting those who may be facing challenges.
- ☐ It will enhance the skills and abilities of both staff and students, improve attendance, and foster positive relationships between teachers and students.

The Internal Quality Assurance Cell has emphasized the importance of introducing a mentoring system in addition to the existing tutor system in classes, and has recommended its implementation. Based on the nominations received from the Heads of Departments for various classes, the following faculty members are hereby appointed as mentors for the academic year 2023-24, as listed below.

SL.NO	DEPARTMENT	NAME OF THE MENTOR
1.	English	Dr.NISHA SOMARAJAN
2.	English	Ms.ASHA DEVI RV
3.	English	MS.MERIN JOSEPINE
4.	Malayalam	Dr.KIRAN MOHAN.M.

5.	Hindi	Dr.C.S.SUBHASH CHANDRAN
6.	Physics	Dr.BHAVYASREE .P.G.
7.	Chemistry	Dr.N.B.SREEKALA
8.	Chemistry	Smt.SARITHA.S.J.
9.	Chemistry	Dr.DIVYA.V.
10.	Chemistry	Dr.VIDHYA.R.V.
11.	Chemistry	Smt.MUTH.S.
12.	Chemistry	Dr.VISHNU.V.R.
13.	Mathematics	Dr.RANI RAJEEVAN
14.	Mathematics	Ms.RASMI KUNDANCHERI
15.	Mathematics	Sri.JEEVAN.S.
16.	Mathematics	Ms.SRUTHY
17.	Mathematics	Ms.KEERTHANA MOHANANAN S

18.	Mathematics	Ms.THRISARA V PRASAD
19.	Mathematics	Ms.ANKITHA.P
20.	Statistics	Ms.RAMSIYA.B.
21.	Statistics	Smt.ANJANA.S.
22.	Commerce	Dr.PARVATHY NAND
23.	Commerce	Smt.JIJI.P.
24.	Commerce	Smt.DIVYA.B.
25.	Commerce	Sri.BINOY.S.
26.	Commerce	Smt.BIJI.B.
27.	Commerce	Dr.VISHNU.S.
28.	Law	Adv.K.G.BAIJU
29.	Commerce	Sri.AMALRAJ.R.
30.	History	Dr.SUJATHA.K.S.

31.	History	Sri.ABHINAND.S.
32.	Economics	Sri.SINULAL.S.
33.	Political science	Sri.MAHI.R.

MENTOR LIST 2023-2024

SL.No	Candidate code of the student	Name of the Student	Name of the Department	Name of the Mentor
1.	III 15921130001	ABHIRAMI.B.U.	COMMERCE	DR. PARVATHY NAND
2.	15921130002	ABHIRAMI.R.A.		
3.	15921130003	AKHILA.A.S.		
4.	15921130004	AMAL.M.		
5.	15921130005	ANAKHA.R.		

6.	15921130006	ANJANA SUNIL
7.	15921130007	APARNA.V. SAJI
8.	15921130008	BIBIN.P.
9.	15921130009	BIBIN.B.
10.	15921130010	GANGA.B.RAJ
11.	15921130011	GAYATHRI.M.
12.	15921130012	HALEEM SUNIL
13.	15921130013	JEEVAN. P. NATH
14.	15921130015	MUHAMMED YASEEN.S.
15.	15921130016	MUNEERA.N.
16.	15921130017	NIKHIL MADHUSOODHANAN
17.	15921130018	NISHA.A.S.
18.	15921130019	PRAJANA DEVI.P.L.
19.	15921130020	S. SONU
20.	15921130021	SAJIN.S. KUMAR
21.	15921130022	SHILPA.D.M.
22.	15921130023	SIDHARTH.S.
23.	15921130024	SONA.S.
24.	15921130025	SREELEKSHMI.P.S.
25.	15921130026	SREELEKSHMI.S.
26.	15921130027	SUHRUDHA SINGH
27.	15921130028	VAISHNAV.B.S.
28.	15921130029	VAISHNAV.A.K.
29.	15921130030	VIJITHA KRISHNAN.S.
30.	15921130031	ACHU.J.

DIVYA B

31.	15921130032	AKASH ANIL
32.	15921130033	AKHILA.T.
33.	15921130034	AL ARIF
34.	15921130035	AMINA.S.
35.	15921130036	ARATHY.S.
36.	15921130037	ATHIRA.B.
37.	15921130038	CHANDHINI.M.S.
38.	15921130040	GEETHU.S.
39.	15921130041	GREESHMA.S.
40.	15921130042	KAVYA SUNIL
41.	15921130043	KHADEEJA BASHA
42.	15921130044	LITHIN THAMPI
43.	15921130045	MALU.M.S.
44.	15921130046	MIKITHA.M.
45.	15921130047	NOUFIYA.S.N.
46.	15921130048	NUSMI.N.
47.	15921130049	RAHUL.S.

BINOY S

48.	15921130050	RAKHI.S.A.
49.	15921130051	RAMSI.S.
50.	15921130052	SARATH.S.
51.	15921130053	SIVAJITH.S.
52.	15921130054	SREEJITH.S.
53.	15921130055	SRUTHI RAJ
54.	15921130056	SUVARSHA.S.
55.	15921130057	SWATHI.S.
56.	15921130058	VAISAKHI.S.
57.	II- 15922130001	ABHIJITH A
58.	15922130002	ABHIJITH P
59.	15922130003	ABHISHEK S
60.	15922130004	ADITHYAN UNNI
61.	15922130005	AJMI A
62.	15922130006	AKASH.S. SUGUNAN
63.	15922130007	AKSHARA SAJEEV
64.	15922130008	ALWIN SAJI
65.	15922130009	ANANDHU S S
66.	15922130010	ANOOP R
67.	15922130011	ASNA R
68.	15922130012	ATHIRA R S
69.	15922130013	FATHIMA.H
70.	15922130014	GOKUL SANTHOSH
71.	15922130015	HEMA MANIKANDAN
72.	15922130016	JINI M LAL
73.	15922130017	JYOTHIKA S
74.	15922130018	KARTHIK A
75.	15922130019	KIRAN SUNIL
76.	15922130020	MITHRA MANU
77.	15922130021	MUHSINA S

Dr. S VISHNU

78.	15922130022	PARVATHY S
79.	15922130023	PRAJESH. P
80.	15922130024	RAHUL G M
81.	15922130025	SABIRA S
82.	15922130026	SREETHU S
83.	15922130027	SUJINA J
84.	15922130028	VISHNUPRIYA S
85.	15922130029	VISMAYA VINOD S
86.	15922130030	ABHINAYA V KUMAR
87.	15922130031	ADITHYA. S
88.	15922130032	AISWARYA S D
89.	15922130033	AJINGHOSH A
90.	15922130034	AKSHAY A M

DR.NISHA SOMARAJ

91.	15922130035	ALEENA R
92.	15922130036	AMRUTHA S
93.	15922130037	ANJU S A
94.	15922130038	ARDRA S
95.	15922130039	ARYA A
96.	15922130040	ASHA S
97.	15922130041	ATHULYA ANIL
98.	15922130042	GREESHMA.S
99.	15922130043	KRISHNAJA P J
100.	15922130044	LAYA M ASHOKAN
101.	15922130045	LEKSHMI.S
102.	15922130046	MUHAMMAD RIZAL N
103.	15922130047	PRANAV P S
104.	15922130048	PRAVEENA. A
105.	15922130049	PRIDHVIRAJ D
106.	15922130050	RAKHI S
107.	15922130051	RINY S
108.	15922130052	ROHAN M R
109.	15922130053	SHAHINA A
110.	15922130054	SWATHI S
111.	15922130055	VISHNU L
112.	I-1592310001	A R ABHIJITH
113.	1592310002	AADHITHYAN.B.
114.	1592310003	ABHIMANYU.B. A
115.	1592310004	AROMAL M.A.
116.	1592310005	ASHIKA J.A.
117.	1592310006	CHANDHANA V.S.
118.	1592310007	JAYALEKSHMI.J.
119.	1592310008	JISHNU.S.
120.	1592310009	KRISHNA SUNDAR
121.	1592310010	LEKSHMI.S. RAJESH
122.	1592310011	MOHAMMED YASIN
123.	1592310012	MUHAMMED ASHIK RAJ
124.	1592310013	NANDHANA SURESH

MERIN
JOSEPHINE/
ASHA DEVI R V

Dr. C S SUBASH
CHANDRAN

125.	1592310014	NIDHIN.A.
126.	1592310015	NIHANA.S.
127.	1592310016	PARVATHY.S.
128.	1592310017	PAVITHRA.R.R
129.	1592310018	REMYA.R.S.
130.	1592310019	SHIJIN SHIJU
131.	1592310020	SREENANDH SHAJI
132.	1592310021	SULFEENA.S.
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RAMSIYA B

13	.1592310023	VINAYAK.S.
13	.1592310024	ABHINAND.G.
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13	.1592310026	ADISH AJAY
13	.1592310027	ADHITHYAN.A.
13	.1592310028	ANU ANIL
14	.1592310029	APARNA.P.
14	.1592310030	ARFAN RAHUMATHULLAA
14	.1592310031	ARYA.B.M.
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14	.1592310033	FOUSIYA.A.
14	.1592310034	IRFANA.A.
14	.1592310035	JANAKI.M.S.
14	.1592310036	LAVYA JOY
14	.1592310037	MALU.O.
14	.1592310038	MIDHUN.M.S.
15	.1592310039	MUKUNDHAN.M.
15	.1592310040	PRANAV .M.LAL
15	.1592310041	PRANAV.S.
15	.1592310042	SIVA.S.
15	.1592310043	SONA MONACHAN
15	.1592310044	SOUMYA.M.S.
15	.1592310045	SRUTHY.M.S.
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15	.59023130002	ARYA M
15	.59023130003	ARYANATH
16	.59023130004	ASWATHY R R
16	.59023130005	DEVIKA
16	.59023130006	DROUPATHY DEVI V
16	.59023130007	GANGA S
16	.59023130008	KRISHNA D RAJ
16	.59023130009	MANJIMA M
16	.59023130010	MIDHUNA VARGHESE
16	.59023130011	NIKHITHA P S
16	II- 59022130001	AMAL D
16	.59022130002	AMINA H

ANKITHA
&
Dr.BHAVYASRE
E

Ms. JIJI P

17	.59022130003	ANANDHU M
17	.59022130004	ANUSHA A S
17	.59022130005	ASWATHY A
17	.59022130006	BIJI M
17	.59022130007	DEVU O R

Ms. BIJI B

17	5.59022130008	FOUSIYA S	
17	5.59022130009	KARTHIKA MADHU	
17	7.59022130010	KARTHIKA S	
17	3.59022130011	MIDHUN GOPAL	
17	9.59022130012	NIMISHA R	
18	0.59022130013	PRANNOY A KUMAR	
18	.59022130015	SREELEKSHMI L	
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18	3.59022130017	SUJITH S	
18	4.59022130018	VISHAL SURESH	
18	5.59022130019	VISHNUDAS	
18	6.59022130020	VISMAYA GA	
18	7.III- 14021130001	ABHISHEK P R	Dr. SUJATHA K S
18	3.14021130002	AKHIL P	
18	9.14021130003	ATHUL RAJ	
19	0.14021130004	ELGIN K VARGHESE	
19	.14021130006	MEENU A S	
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19	3.14021130008	NANDANA A R	
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21	7.14021130033	KRISHNA ASOKAN
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22	0.14021130037	NIKHIL J S
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22	7.14021130044	SAGAR S BABU
22	8.14021130045	SANDEEP S SASEENDRAN
22	9.14021130046	SHIBIN S S
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23	4.14021130051	SREEKUTTY S
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24	3.14021130060	VIGNESH R
24	4.14021130061	VINEETHA V A
24	5.14021130062	VINITHA V T
24	6. II- 14022130001	ABHINAY.A.S
24	7.14022130002	AKHILA M S
24	8.14022130003	ASIF R
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25	0.14022130005	GOPIKA PRASAD S
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25	4.14022130009	SHAMILA. S
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25	7.14022130013	AHALYAPRASAD P
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MAHI R

SINULAL S

25	.14022130015	ALEENA.K	
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26	.14022130017	ANU. S	AMALRAJ R
26	.14022130018	ARCHANA S	
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27	.14022130031	LIYA SARASAN. S	
27	.14022130032	MEGHA MOHANDAS	
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27	.14022130035	NIKHIL RAJ S	
28	.14022130036	NIKHIL KRISHNAN. U	
28	.14022130037	NITHYA. B	
28	.14022130038	PRAVEENA P. M	
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28	.14022130044	SALINI S	
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29	.14022140046	SHABANA SS	THRISARA V PRASAD
29	.14022130047	SHAHANAS.S	
29	.14022130048	SHEENA.U	
29	.14022130050	SIMI. S	
29	.14022130051	SIVANI.S	
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29	.14022130056	THEERTHA. S	
29	.14022130057	ULLAS RAJ R	
30	.14022130058	VAJRA.L.S	

30	.14022130059	VIJAYA.M
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30	.14023130009	SHREYAS S
31	.14023130010	THASLEEMA S
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32	.14023130020	ANSHIDA A
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33	.14023130033	NIHAL MOHAMMED SHAMEEM
33	.14023130034	NIKHALYA S
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Dr. VISHNU V R

34	.14023130044	SHANI S L	MATHS
34	.24119130013	ATHUL KRISHNAN	
34	.24119130021	PRANAV S	
34	.24121130001	ABHIJITH A	
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35	.24121130005	MAHITHA S MURALI	

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35	.24121130007	MANEESHA U	
35	.24121130008	SHIBINA S.	
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35	.24121130010	ABHIMANYU. M.A	
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36	.24121130018	VASISHT.R.J	
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37	.24123130007	SUMESH S	MUTHU S/ SARITHA S J
37	.24123130008	SURAJ S	
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41	.63523130009	GOPIKA RAJAN
41	.635231300010	HANNA MUJEEB
41	.635231300011	HASNA A
41	.635231300012	SOORYA RAJ S
42	.635231300013	VARSHA J
42	<u>.6202213000 1</u>	AKHILA S -II MSC
42	<u>.62022130002</u>	ANJALI S
42	<u>.62022130003</u>	ANJANA B PRASAD
42	<u>.62022130004</u>	ANSEELA MOL A
42	<u>.62022130005</u>	ANSU S
42	<u>.62022130006</u>	ANUSHA N S
42	<u>.62022130007</u>	ATHIRA R
42	<u>.62022130008</u>	ATHULYA S S

N B DREEKALA
KEERTHANA
MOHANAN S

42	<u>.62022130009</u>	JENIFER MARTIN	
43	<u>.62022130010</u>	KEERTHI A S	
43	<u>.62022130011</u>	MEGHA M LAL	
43	<u>.62022130012</u>	PREMJITH M P	
43	<u>.62022130013</u>	SANGEETHA DARSAN	
43	<u>.62022130014</u>	SREELAKSHMI M S	
43	<u>.62022130015</u>	SRUTHY J R	
43	<u>.62022130016</u>	VEENA V S	
43	<u>.62022130017</u>	VIDHYA SHAJI S	
43	<u>.6202313000 1</u>	ADITHYA KRISHNAN-IMSC	
43	<u>.62023130002</u>	AMRITHA. G	
44	<u>.62023130003</u>	ANITTA S	
44	<u>.62023130004</u>	ANJALY SUNIL	
44	<u>.62023130005</u>	ANUSREE A S	

44	<u>.62023130006</u>	DRUSHYA CHANDRAN	JEEVAN S
44	<u>.62023130007</u>	GOPIKA. B. G.	
44	<u>.62023130008</u>	JISHA.S	
44	<u>.62023130009</u>	KARTHIKA.S.B	
44	<u>.62023130010</u>	NAVYA SURESH	
44	<u>.62023130011</u>	REVATHY PRAKASH	
44	<u>.62023130012</u>	REVATHY.P.B	
45	<u>.62023130013</u>	RITHANATH.S	
45	<u>.2202213000 1</u>	ADITHYA ANIL II YEAR	SRUTHY
45	<u>.22022130002</u>	KEERTHANA SANTHOSH	
45	<u>.22022130003</u>	SANGEETHA S.B	
45	<u>.22022130005</u>	AJINA AJIKUMAR	
45	<u>.22022130006</u>	ANEESH A S	
45	<u>.22022130007</u>	DEVAPRIYA J	
45	<u>.22022130008</u>	FEBA T ACHENKUNJU	
45	<u>.22022130009</u>	JISHNU.M.NAIR	
45	<u>.22022130010</u>	KRISHNA SUNIL	
46	<u>.22022130011</u>	SANDRA PRASAD	
46	<u>.22022130012</u>	SHIJI B S	
46	<u>.2202113000 1</u>	ABHISHEK ANIL III YEAR	ANJANA/ Dr.RANI RAJEEVAN
46	<u>.22021130002</u>	ABIN VARGHESE	
46	<u>.22021130003</u>	ASWATHI S	
46	<u>.22021130004</u>	HAJERA SHAJAHAN	
46	<u>.22021130005</u>	NANDANA S L	
46	<u>.22021130006</u>	PRAJEESH PRATHAP	

46	<u>.22021130007</u>	SHIBINA.S.A	
46	<u>.22021130008</u>	SREELEKSHMI .R . S	
47	<u>.22021130009</u>	ABHIRAMI S	
47	<u>.22021130010</u>	ANUPAMA .S . R	
47	<u>.22021130011</u>	BEEMA S	
47	<u>.22021130012</u>	DARSANA.S	
47	<u>.22021130013</u>	DONA S JAMES	
47	<u>.22021130015</u>	HARIMURALI M A	
47	<u>.22021130016</u>	NANDANA P	
47	<u>.22021130017</u>	SANGEETH VIMAL	
47	<u>.22021130018</u>	SARAN .S .J	
47	<u>.22021130019</u>	SAYANA S	
48	<u>.2202313000 1</u>	ABHINAV RAJ R I YEAR	
48	<u>.22023130002</u>	KARTHIKA R S	
48	<u>.22023130003</u>	REVATHY B S	
48	<u>.22023130004</u>	SREEJYOTHI S	
48	<u>.22023130005</u>	AMRITHA M	
48	<u>.22023130006</u>	ANUJA R	RASMI

48	<u>.22023130007</u>	DEVU R MANU	KUNDANCHERI
48	<u>.22023130008</u>	HAMSEENA.H	
48	<u>.22023130009</u>	RAMSEENA SIRAJ	
48	<u>.22023130010</u>	SYAM S B	

16.REMEDIAL CLASSES

All departments in the college offer remedial coaching for students identified as academically weak based on an analysis of their examination results or difficulties in grasping complex topics. Specially scheduled extra classes are organized to address these gaps, with topics being re-taught to ensure better understanding. Teachers provide focused, individualized attention during these sessions to support the unique learning needs of each student. This initiative aims to help students overcome challenges, improve their academic performance, and build confidence in tackling difficult subjects, fostering an inclusive and supportive learning environment for all.

Remedial class - Semester 2

35

The remedial class for B.Sc Mathematics Semester 2 has been conducted for core course Mathematics, Complementary course statistics, physics and language Course-III. The classes for core Course "foundations of Mathematics" was taken by Dr. Rani Rajeevan on 4/08/2023, 8/08/2023, 9/08/2023 from 9.30 am to 12.30 pm and complementary course "Probability theory and Random variables" was taken by Smt. Anjana S.S. on 4/08/2023, 8/08/2023, 9/08/2023 from 1.00 pm to 3.30 pm. The classes for language course-III was taken by Dr. Nisha Somasajan on 3/08/2023, 10/08/2023, 11/08/2023 from 9.30 am to 12.30 pm and Complementary course "Thermal physics and statistical mechanics" was taken by Ms. Bhavya Sree P.G. on 22/08/2023 & 23/08/2023 from 9.30 pm to 3 pm.

Dr Rani Rajeevan



Ms Seethy



Ms Anjana S.S



Dr. Kisan Mohan



Dr Nisha Somasajan



Dr Bhavya Sree P.G.



Attendance sheet - Semester 2.

Mathematics

Name	Reg No.	4/08/2023	8/08/2023	9/08/2023
Abhishek Anil	22021130001	P	P	
Beema S	22021130011	P	P	

Logic & proof sets & finals
Vector calculus.

Statistics

Name	Reg No.	4/08/2023	8/08/2023	9/08/2023
Abhishek Anil	22021130001	P	P	P
Abin Varghese	22021130002	P	P	P
Beema S	22021130011	P	P	P

Probability theorem and random variables.

English.

Name	Reg No.	3/08/2023	10/08/2023	11/08/2023
Abin Varghese	22021130002	P	P	P

Environmental studies & Disaster Management

Physics.

Name	Reg No.	22/08/2023	23/08/2023
Aswathi S	22021130003	P	P

Thermal physics and statistical mechanics.




MARKSHEET OF REMEDIAL STUDENTS SEMESTER 2 (MATHEMATICS)				
SL NO.	REG.NO	NAME	BEFORE	REMEDIAL
1	22021130011	Bheema S	16	28
2	22021130001	Abhishek Anil	11	fail

MARKSHEET OF REMEDIAL STUDENTS SEMESTER 2 (STATISTICS)				
SL NO.	REG.NO	NAME	BEFORE	REMEDIAL
1	22021130011	Bheema S	28	21
2	22021130002	Abin Vargeese	22	30
2	22021130001	Abhishek Anil	19	22

MARKSHEET OF REMEDIAL STUDENTS SEMESTER 2 (ENGLISH)				
SL NO.	REG.NO	NAME	BEFORE	REMEDIAL
1	22021130002	Abin Vargeese	20	23

MARKSHEET OF REMEDIAL STUDENTS SEMESTER 2 (PHYSICS)				
SL NO.	REG.NO	NAME	BEFORE	REMEDIAL
1	22021130003	Aswathy S	23	42



17.PTA MEETINGS

Parent-Teacher Meetings (PTAs) play a vital role in fostering a collaborative relationship between parents and teachers, enabling them to work together to enhance students' progress in both academic and non-academic areas. At our college, all departments conduct regular PTA meetings to discuss various aspects of students' development. These meetings provide a platform to review students' academic performance, address university examination schedules, discuss their overall behaviour on campus, and share attendance records. Additionally, PTA meetings allow parents to share valuable feedback, which is considered for refining and improving teaching methods. By maintaining an open line of communication, these sessions strengthen the partnership between parents and teachers, creating a supportive environment that promotes student success. This collaborative approach ensures that students receive the guidance and encouragement they need to excel in their academic journey and beyond.

Class P.T.A (2022-2023)
 III.B.A History.
 (4.07.2022).

Sl. No.	Name of the Student.	Parents Name with phone number.	Signature.
1.	Apsara. B.V	Vinod R. 9446352202	<u>Rad</u>
2.	Reshma. R.J.	Sa. Yath. 9916250299	<u>Saathi</u>
3.	Nandhya. N	Shahida 8129089261	<u>Shahida</u>
4.	Arijana. A	Sindhu 9846562754	<u>Sindhu</u>
5.	Jyothi Meena	C9656927194) Meena C9096503645	<u>Meenu</u>
6.	Sneha Sanil	Jayasree. R. (9596372503)	<u>Jayal</u>
7.	Reshma Chandrasekhar	Khanimel. 9961503950	<u>Shank</u>
8.	Lekshmi Vijaya	Vaishak 9539628501	<u>Shank</u>
9.	A.S. Arjuna.	Anthe. S. 9605912016.	<u>Anthe</u>
10.	Abhijith. J	Preetha. S. - 8075720508	<u>Preetha</u>
11.	Sajeda S.M	Muhumina - 9539226576	<u>Muhumina</u>
12.	Mehsin. M	Ishath - 8901470571	<u>Ishath</u>
13.	Haseena. S	Ishath - 8907333840	<u>Ishath</u>
14.	Prasanna. S	Usthera 9037516290	<u>Prasanna</u>
15.	Prasanna. S	Sindhu. 9567223676	<u>Sindhu</u>
16.	Al. Ameer. A	Ram Lath (9745725750)	<u>Ram Lath</u>
17.	Azqa. T.S.	Preetha. S. (9446945413)	<u>Preetha</u>
18.	Alfiya	Sabaant 9745022876	<u>Sabaant</u>
19.	Brejana. P	Mangiprasad (9848804311)	<u>Ram</u>
20.	Hema. S	Sathyavalli (7025875834)	<u>Hema</u>
21.	Anuraag. A	Ampili (9544424785)	<u>Ampili</u>
22.	Sini. M.S	Seena. C.S (7560908608)	<u>Seena</u>
23.	Prathibha. S	Adhwaith. S. Kumar. 7356561086.	<u>Prathibha</u>
24.	Abhinav. S	Abha. S. K. S. 7025470201	<u>Abha</u>
25.	Abhinav. R	Raghu. K 9548381660	<u>Raghu</u>
26.	Thara.	Vasanth. 9526669131.	<u>Vasanth</u>

Sl.No	Name of the Students	Parents Name with phone Number	Signature.
27	Suthana. S	7025556288 (Shamla)	<u>Shamla</u>
28	Ahul Murali	Muralidharan 8606597600	<u>muralidharan</u>
29	Sreelekshmi Anthajaram	Latha. 9745501623.	2/10 <u>Latha</u>
30	Fathma.	Abdul Azeez 9633680546.	<u>Abdul Azeez</u>
31	Nishade.	Mizra. M 9946013706	<u>Mizra M</u>
32	Risana. S.	Safiyath. 9526154797	<u>Safiyath. S</u>
33	Abitha. Acharanjanu	Mirvi. 9544568757	<u>Mirvi</u>
		Jagan Mother. 9048334196.	

Sl. No.	Name of the Students.	Parents Name with phone Number.	47 Signature.
<p>A Dept meeting of IIIrd BA History was scheduled on 11/7/22.</p>			
<p><u>Agenda.</u></p>			
<p>(1) Exam result. (2) CA Marks. (3) Project (4) Study tour.</p>			
<p><u>Minutes.</u></p>			
<p>Almost all parents had attended the meeting. HOD explained about the agenda of the meeting. Exam result was discussed and make arrangements for remedial classes for weaker students. The details for study tour was discussed in the meeting.</p>			
<p><u>Teachers</u> attended the meeting.</p>			

3/10

18.RESULT ANALYSIS

Result analysis is conducted to evaluate students' academic performance and identify areas where they have scored lower in examinations. This process involves a detailed semesterwise and course-wise analysis of results. The findings are presented to the College Level Monitoring Committee (CLMC), which reviews the data and makes informed decisions to enhance students' academic performance. Based on the analysis, appropriate measures are implemented, such as organizing remedial coaching sessions for students who have secured low grades. These sessions focus on re-teaching challenging topics and providing individualized attention to address learning gaps.

If the analysis highlights the need for syllabus revisions to improve outcomes, recommendations are communicated to the university for necessary changes. This comprehensive approach ensures continuous improvement in teaching and learning processes, fostering better academic achievements among students while maintaining a robust feedback loop between departments and university authorities. achievements among students while maintaining a robust feedback loop between departments and University authorities.

SREE NARAYANA COLLEGE CHATHANNUR

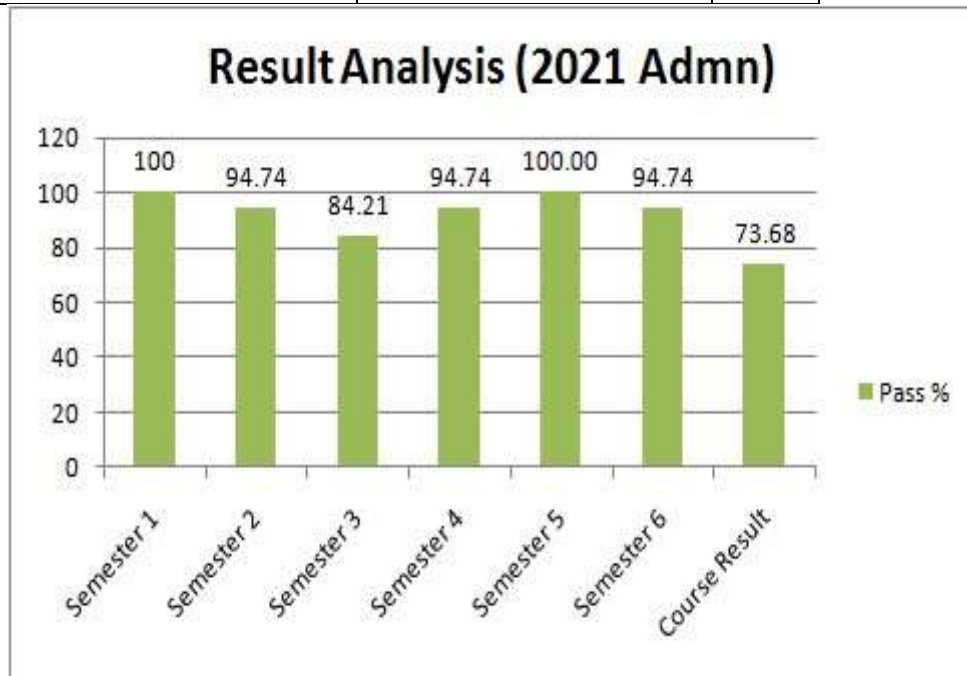
Department of Mathematics

Result Analysis B.Sc 2021 Admn.

TOTAL RESULT ANALYSIS

Semester	Number of Students Appeared	Number of students passed	Pass %
Semester I	19	19	100
Semester II	19	18	94.74
Semester III	19	16	84.21
Semester IV	19	18	94.74

Semester V	19	19	100
Semester VI	19	18	94.74
Course Result	19	14	73.68



SREE NARAYANA COLLEGE CHATHANNUR
DEPARTMENT OF CHEMISTRY

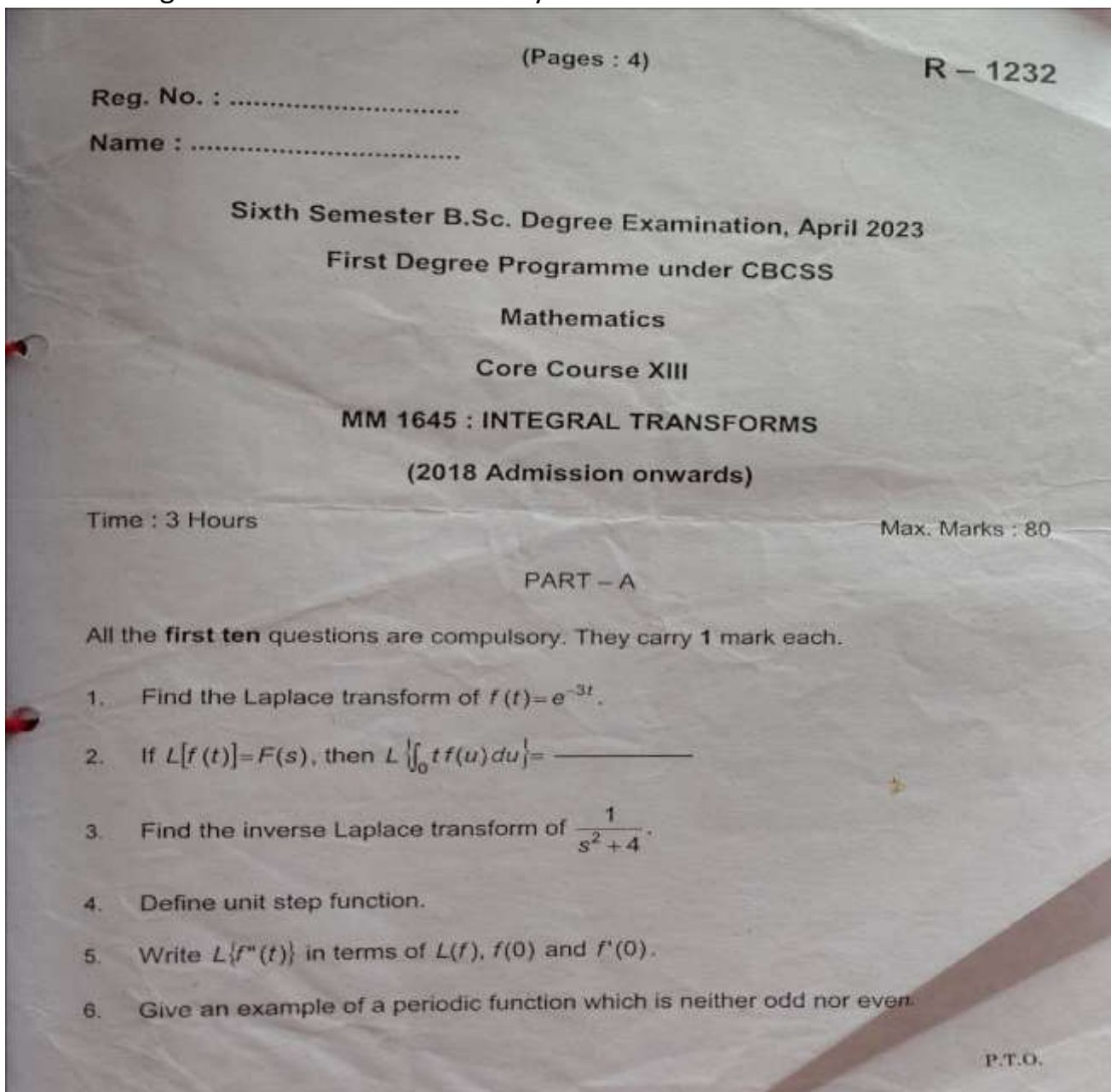
Result Analysis

Programme	Year of Passing	No. of students Appeared	No. of students Passed	Pass %
B.Sc Chemistry & Industrial Chemistry	2018	23	16	69.57
B.Sc Chemistry & Industrial Chemistry	2019	29	21	72.41
B.Sc Chemistry & Industrial Chemistry	2020	24	20	83.33
B.Sc Chemistry & Industrial Chemistry	2021	31	21	67.74
B.Sc Chemistry & Industrial Chemistry	2022	27	13	48.15
M.Sc Chemistry	2022	11	9	81.81
B.Sc Chemistry & Industrial Chemistry	2023	16	6	37.5
M.Sc Chemistry	2023	20	10	50



19.QUESTION BANK (UNIVERSITY & INTERNAL EXAMINATION)

All departments maintain semester-wise question banks, which include previous University examination question papers and model question papers for internal exams, collected and organized by the faculty. These question banks provide students with convenient access to past question papers, proving to be a valuable resource. They help students familiarize themselves with key topics in their respective fields, understand the types of frequently asked questions, and recognize common question patterns. This initiative is widely utilized by students and is instrumental in their academic preparation, enabling them to approach exams with greater confidence and clarity.



7. Define Fourier cosine transform of a function $f(t)$.
8. What is the standard form of Fourier series for an even function?
9. Find the fundamental period of the function $\cos(nx)$.
10. If $f(x)$ has period p then find the period of $f(2x)$.

(10 × 1 = 10 Marks)

PART – B

Answer **any eight** questions. Each question carries **2** marks.

11. Find the Laplace transform of $f(t) = t \sin 2t$.
12. Find $L[e^{-3t} \sin 3t]$.
13. Evaluate $L^{-1}\left[\frac{3}{(s+2)^4}\right]$.
14. Find $L^{-1}\left(\frac{1}{(s+2)(s+3)}\right)$.
15. Solve the differential equation $y'' - y = t$, $y(0)=1$, $y'(0)=1$.
16. Define convolution of two functions and find the convolution of 1 and -1 .
17. Is $L[f(t)+g(t)] = L[f(t)] + L[g(t)]$? Explain.
18. Find the Fourier series of $f(x) = x$ for $0 < x < 2\pi$.
19. Find the Fourier sine series for the function $f(x) = \pi - x$ in $0 < x < \pi$.
20. Find the Fourier cosine transform of the function $f(x) = \begin{cases} k, & 0 < x < \pi \\ 0, & x > \pi \end{cases}$.

21. Derive the Fourier transform of $f'(x)$, the derivative of $f(x)$.

22. Check whether the following functions are odd or even

(a) $\frac{x}{x^2+1}$

(b) $x^3 \tan \pi x$.

(8 × 2 = 16 Marks)

PART – C

Answer any six questions. Each question carries 4 marks.

23. Find the Laplace transform of the function $f(t) = \begin{cases} t & t \geq 3 \\ 0 & t < 3 \end{cases}$.

24. Find the inverse transform of $(3s+1)/(s-1)(s^2+1)$.

25. Solve the equation $y'' + 3y' + 2y = \delta(t-1)$, $y(0)=0, y'(0)=0$.

26. Find the Laplace transform of $e^{-4t} \int_0^t t \sin 3t dt$.

27. Find the Laplace transform of $t^2 e^{-3t} \sin 2t$.

28. Find the inverse Laplace transform of $\frac{2(e^{-s} - e^{-3s})}{s^2 - 4}$.

29. Find the inverse of $\frac{5s+3}{(s-1)(s^2+2s+5)}$.

Answer
314 796 - 314 810
RV, 806, 802, 798

30. Find the Fourier series for $f(x) = |x|$ from $x = -\pi < x < \pi$ and deduce that

$$\frac{1}{1^2} + \frac{1}{3^2} + \frac{1}{5^2} + \frac{1}{7^2} + \dots = \frac{\pi^2}{8}$$

31. Using Fourier sine integral, Show that

$$\int_0^{\infty} \frac{1 - \cos \pi w}{w} \sin x w \, dw = \begin{cases} \frac{\pi}{2} & \text{if } 0 < x < \pi \\ 0 & \text{if } x > \pi \end{cases}$$

(6 × 4 = 24 M)

PART - D

Answer **any two** questions. Each question carries **15** marks.

32. (a) State and prove convolution theorem of Laplace transforms

(b) Use convolution theorem to find the inverse Laplace transform of $\frac{1}{s^2(s-1)}$

33. Find the Fourier series of the periodic function $f(x)$ of period 2, where $f(x)$ in $0 \leq x \leq 2$ and deduce that $1 - \frac{1}{3} + \frac{1}{5} - \frac{1}{7} + \dots = \frac{\pi}{4}$.

34. (a) Represent $f(x) = \begin{cases} \sin x, & 0 < x < \pi \\ 0, & x > \pi \end{cases}$ as Fourier cosine integral

(b) Find the Fourier integral of $f(x) = \begin{cases} \pi - x & \text{if } 0 < x < \pi \\ 0, & \text{otherwise} \end{cases}$

35. (a) Find the Fourier transform of $f(x) = e^{-\frac{x^2}{2}}$. What is your inference?

(b) Find the Fourier transform of $f(x) = \begin{cases} |x| & \text{if } -1 < x < 1 \\ 0, & \text{otherwise} \end{cases}$

(2 × 15 = 30 M)

Answerly -
314 821 - 314 835 , 314 821, 314 826, 314 832

SREE NARAYANA COLLEGE, CHATHANNUR

Third Semester M.Sc Mathematics Model Examination- February 2024

(2022 admission)

MM 232- FUNCTIONAL ANALYSIS - I

Time: 3 hours

Max Marks: 75

Part A

Answer any 5 question from among the question 1 to 8.

Each question carries 3 marks

1. State and prove Riesz Lemma.
2. Let X and Y be normed spaces. Show that if X is finite dimensional, then every linear map from X to Y is continuous. Conversely, if X is infinite dimensional and $Y \neq \{0\}$, then there is a discontinuous linear map from X to Y .
3. State and prove the Hahn Banach Separation theorem.
4. Show that a Banach space cannot have a denumerable basis.
5. Give an example to show that the open mapping theorem and the closed graph theorem may not hold if X and Y are not Banach.
6. State and prove Resonance Theorem.
7. State and prove Bounded Inverse theorem.
8. Let Y be a Banach space, $F_n \in CL(X, Y)$, $F \in BL(X, Y)$ and $\|F_n - F\| \rightarrow 0$. Then $F \in CL(X, Y)$.

Part B

Answer all questions from 9 to 13

Each question carries 12 marks

9. A. (i) Let X be normed space. Prove that following conditions are equivalent
- (a) Every closed and bounded subset of X is compact.
 - (b) The subset $\{x \in X : \|x\| \leq 1\}$ of X is compact.
 - (c) X is finite dimensional. [6]
- (ii) Prove that a linear map F from a normed space X to a normed space Y is a homeomorphism if and only if there are $\alpha, \beta > 0$ such that $\beta \|x\| \leq \|F(x)\| \leq \alpha \|x\|$ for all $x \in X$. [6]

OR

- B. Let X and Y be normed spaces and F from X to Y be a linear map. Then prove that
- (i) F is continuous on X if and only if the zero space $Z(F)$ of F is closed in X and the linear map $\bar{F}: X/Z(F) \rightarrow Y$ defined by $\bar{F}(x + Z(F)) = F(x): x \in X$ is continuous. [6]
- (ii) If $R(F)$ is finite dimensional, then F is continuous if and only if $Z(F)$ is closed in X an in particular, a linear functional F on X is continuous iff $Z(F)$ is closed in X . [6]

10. A. (i) State and prove Hahn Banach Extension Theorem. [5]
 (ii) State and prove Taylor Foguet Theorem. [7]
 OR

- B. (i) A normed space X is Banach if and only if every absolutely summable series is summable in X . [6]
 (ii) Let X and Y be normed spaces with $X \neq \{0\}$, then $BL(X, Y)$ is Banach in operator norm if and only if Y is Banach. Also the dual X' of every normed space is a Banach space. [6]

11. A. (i) State and prove Closed Graph Theorem. [7]
 (ii) State and prove Open Mapping theorem. [5]
 OR

- B. (i) State and prove Uniform Boundedness Principle. [6]
 (ii) Let X be a normed space and P be a projection on X . Then P is a closed map if and only if the subspaces $R(P)$ and $Z(P)$ are closed in X . In fact, P is continuous if X is Banach. [6]

12. A. (i) Let X be a normed space and $A \in BL(X)$ be of finite rank. Then show that $\sigma_e(A) = \sigma_u(A) = \sigma(A)$. [6]
 (ii) State and Prove Neumann Expansion. [6]

OR

- B. (i) State and prove Gelfand-Mazur theorem. [6]
 (ii) State and prove Spectral Radius Formula. [6]

13. A. Let X be a reflexive normed space. Then

(i) X' is reflexive.

(ii) Every closed subspace of X is reflexive.

(iii) X is separable if and only if X' is separable. [12]

OR

B. State and prove Schauder Theorem. [12]