



SREE NARAYANA COLLEGE, CHATHANNUR

Karamcode P.O, Chathannur, Kollam -691579

Email: snchathannur@gmail.com

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SECOND CYCLE NAAC ACCREDITATION 2023

CRITERION 2

TEACHING- LEARNING AND EVALUATION

2.5.1. Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Submitted to



THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

Mechanism of internal or external assessment is transparent and the grievances redressal bound and efficient.

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I. The Continuous Internal Evaluation mechanism

The Institution realizes that evaluation is an integral part of teaching-learning process. The process of Continuous Internal Evaluation being carried out is a concerted effort of IQAC, College Level Monitoring Committee (CLMC), Heads of the departments, and the Model Examination Committee. The College adheres to the system of internal assessment prescribed by the University of Kerala. Apart from these, other relevant methods like surprise tests, open book exams, online quizzes, project work, etc., are also included as part of internal assessment. The Continuous Internal Evaluation mechanism helps the students in confidence building and also time management during university examinations. It involves various steps as follows.


1. Attendance

The university rule states that 75 per cent attendance in each semester is a must to appear for exams. Students sometimes face classroom attendance shortage due to their participation in various co-curricular and extra-curricular activities. These are resolved in consultation with the teachers in charge of the various activities that students participate in (NCC, NSS, Fine Arts, Sports, etc.), and grievances are resolved immediately.

SREE NARAYANA COLLEGE, CHATHANNUR
Department of Mathematics
M.Sc Mathematics 2021 Admn.
Attendance statement of I sem from 17.11.2021- 01.03.2022

Sr. No.	Candidate code	Name	% of Attendance
1	62021130001	Aiswarya P C	94
2	62021130002	Aiswarya R B	95
3	62021130003	Aiswarya S	87
4	62021130004	Akhila A L	98
5	62021130005	Arathy B	93
6	62021130006	Archa A R	98
7	62021130007	Bhadra R	93
8	62021130008	Devichandana P S	97
9	62021130009	Farsana B	95
10	62021130010	Irshana A S	95
11	62021130011	Karthika J S	97
12	62021130012	Kavya V S	97
13	62021130013	Minna V J	98
14	62021130014	Nandini M	84
15	62021130015	Parvathy A S	83
16	62021130016	Parvathy R	85
17	62021130017	Soorya Suresh	97
18	62021130018	Sreethu Murali	98
19	62021130019	Sruthy Murali	93


Signature of Tutor


Signature of Principal
Principal
Sree Narayana College
Chathannoor



SREE NARAYANA COLLEGE, CHATHANNUR
Department of Mathematics
Attendance statement of Third semester B.Sc Mathematics (2020 Admn)

Sr. No.	Candidate Code	Name	% of Attendance
1	22020130001	AHLAM SHAJAHAN	90
2	22020130002	AKSHAY A	90
3	22020130003	ANUJA . A	87
4	22020130004	GAUTHAM.S	87
5	22020130005	JISHA U M	90
6	22020130006	MANEESH M B	78
7	22020130007	NIKHIL .M.S	83
8	22020130008	SAGARA S	93
10	22020130010	SANDRA.A	80
11	22020130011	SREEHARI.S	79
12	22020130012	AARDRA R UDAYAN	93
13	22020130013	ABDUL LATHEEF. A	97
14	22020130014	ABHIJITH .R.S.	82
15	22020130015	ABHIRAMI. J.R	83
16	22020130016	ABIN J NAIR	90
17	22020130017	AHALYA A	87
18	22020130018	AISWARYA . B . S	92
19	22020130019	AMRITHA. G	83
20	22020130020	ARJUN P R	87
21	22020130021	ASWIN MANOJ	87
22	22020130022	ATHULIA A	90
23	22020130023	BHAGYA CHANDRABOSE	83
24	22020130024	DEVIKA SEKHAR C	83
25	22020130025	JOBIN SUNNY	93
26	22020130026	LEKSHMI LAL	87
28	22020130028	PARVATHY M	87
29	22020130029	SANJU.S	80
30	22020130030	SARIKA. S. R	80
31	22020130031	SHASIYA S	75
32	22020130032	SREELAL.S.J	78

1

Anjana

Signature of Tutor

Raj

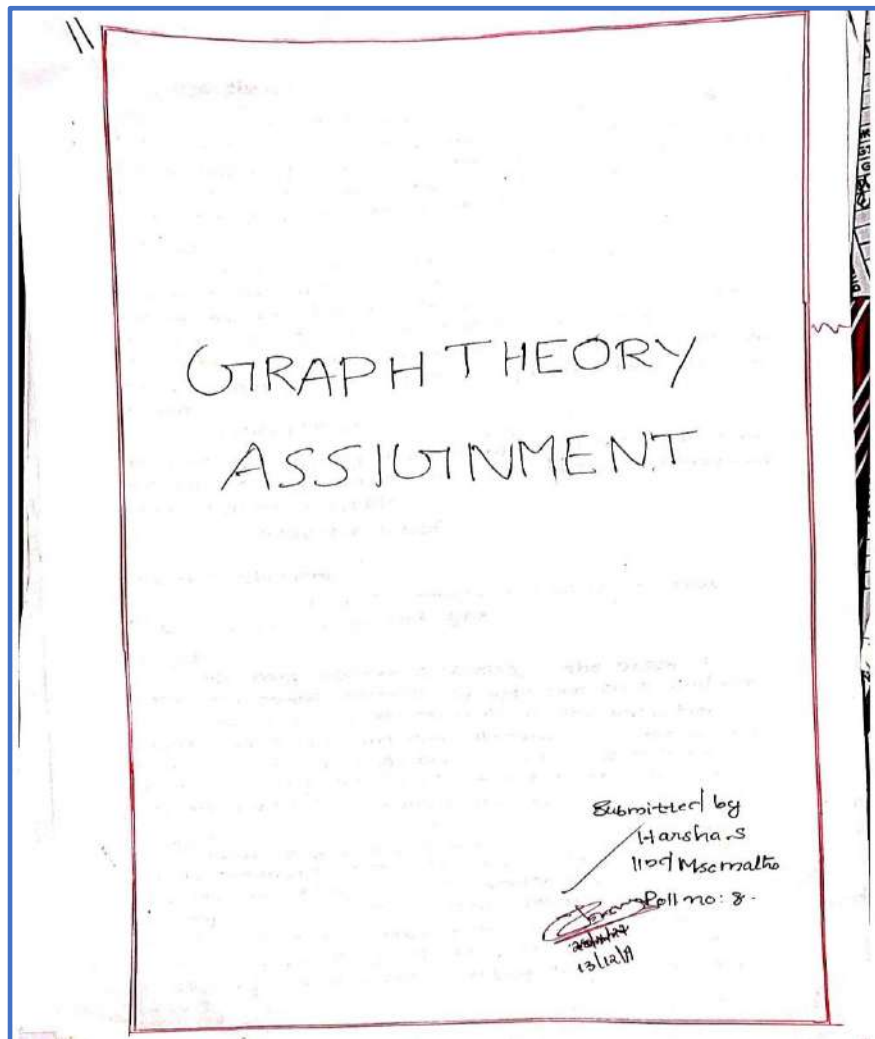
Signature of Principal

Principal
Sree Narayana College
Chathannoor



2. Assignments to Students

In every Departments, teacher should give assignments to students for each paper. It really helps students to develop a reading habit on their own.



Marriage theorem

In a collection of r women & s men $1 \leq i \leq s$ a total r marriages between acquainted couples is possible iff for each integer k with $1 \leq k \leq r$ \forall subset of k women in collectively acquainted with at least k men.

Proof

Construct a bipartite graph G with partite sets U & W where U is the set of all women & W is the set of all men. The adjacency of 2 vertices is given by a woman is adjacent to a man \iff the woman is acquainted with that man. Given that any collection of k women is collectively acquainted with at least k men.

$$\text{ie, } |N(x)| \geq k = |x|$$

G is neighbourly, by Hall's thm G contains a matching of cardinality r . There exist a total r marriages with acquainted couple.

Hence the proof.

Brook's theorem

If G is connected, $\chi(G) \leq \Delta(G)$ unless G is complete or an odd cycle.

Proof

We may assume $\Delta = \Delta(G) \geq 3$, \therefore the result is easy our proof proceeds by induction on Δ , and for each Δ we will use induction on n . The induction starts at $n = \Delta + 1$ and the theorem is true in this case, \therefore if $|G| = n + 1$ & $\chi(G) \neq \Delta + 1$ we can colour G with Δ colours by using the same colour for some two non adjacent vertices. \therefore suppose $n \geq \Delta + 2$.

Case 1 There is a vertex v such that $G - v$ is disconnected. Let the component of $G - v$ be C_1, C_2, \dots, C_k . Consider the graphs induced by G on the vertex sets $C_1 \cup \{v\}, \dots, C_k \cup \{v\}$. We may Δ -colour each of these graphs by induction. Switching colours within some of these colouring if necessary, we may assume that v gets colour in all k colouring which we can \therefore combine to get a Δ colouring of G .

colours v_{n-2} of its Δ neighbours have received the same colour c_1 so that one of the colours Δ is available to colour v_n itself. This completes the induction step.

Vizing's Theorem

$\Delta \leq \chi'(G) \leq \Delta + 1$ for any simple graph G

proof

The inequality $\Delta \leq \chi'(G)$ being trivial, we show $\chi'(G) \leq \Delta + 1$. To prove this inductively it suffices to show for any simple graph G .

let v be a vertex such that v and all its neighbours have degree at most k while at most one neighbour has degree precisely k . Then if $G-v$ is k -edge colourable also G is k -edge colourable.

We prove by induction on k . We can assume that each neighbour u of v has $\deg u \leq k-1$ except for one of degree k . Since otherwise we can add a new vertex w on an edge uv without violating the conditions in (1) we can do this still all nbs of v have $\deg \leq k-1$ except for one having $\deg = k$.

consider any k -edge colouring of $G-v$. For $i=1, \dots, k$, let X_i be the set of nbs of v that are missed by colour i . So all but one nbs of v is precisely 2 of the X_i , and one nbs is in precisely 1 of X_i .

Hence

$$\sum_{i=1}^k |X_i| = 2\deg(v) - 1 < 2k$$

We can assume that we have chosen the colouring \mathcal{C} so that $\sum_{i=1}^k |X_i|$ is minimized. Then for all $i, j=1, \dots, k$

$$||X_i| - |X_j|| \leq 2$$

for if say $|X_1| > |X_2| + 2$ consider the subgraph H made by all edges of colours 1 & 2. Each component of H is a path or circuit. At least one component of H contains more vertices in X_1 than in X_2 . This component is a path P starting in X_1 & not ending in X_2 . Exchanging colours 1 & 2 on P reduces $|X_1| + |X_2|$, contradicting our minimality assumption.

This implies that if $|X_i| = 1$ since either $|X_j| = 0$ or 2 with their sum is odd, a contradiction. So we can assume $|X_i| = 1$ say $X_k = \{u\}$ let

G' be the graph obtained from G by deleting edge uv & deleting all edges of colour k . So $G'-v$ is $(k-1)$ -edge colourable. Vertex v & all nbs have $\deg \leq k-1$ & at most one nbs has $\deg = k-1$. So by the induction hypothesis G' is $(k-1)$ -edge colourable. Restoring colour k & giving edge uv colour k gives a k -edge colouring of G .

3. Seminars

Seminar presentations by students according to the syllabus was practiced in the college at department level. Topics for assignments and seminars are suggested by the teachers, in keeping with recent trends and current events.



Miss.Ardra J., I Sem- I BCom engaging the seminar portion assigned for the subject Management Concepts and Thought for the topic Principles of Management



Miss.Biji.R,V Sem – III B Com engaging the class for the portion Income Tax Planning in the subject Income Tax Law and Practice



KRISHNA, A III sem M.Sc , 2019 – 2021 batch student, presenting the seminar portion allotted on the subject “Graph theory“ on the topic titled, locating numbers.



Nimitha G S , M.Sc Mathematics (2020-21), IV th semester presenting the seminar portion allotted on the subject Complex analysis II on the topic “Riemann Zeta function”.

4. CONDUCT OF INTERNAL EXAMINATIONS

The planning and conduct of the internal examinations are dealt with by the CLMC and the Model Examination Committee, monitored by the IQAC. Internal examinations are conducted in a centralized or department wise as per the decision. Manner for each semester before the commencement of the University examination. As per the academic calendar, a tentative timetable is prepared and displayed on the college notice board and also posted in the WhatsApp groups of the concerned classes by the tutors. Question papers prepared by the faculty members are sent to the Model Examination Committee, which arranges measures for taking enough copies. Seating arrangements in the examination hall and invigilation duty assignments for faculty members will be prepared by the Committee. All efforts are taken by the committee to make the internal examination process an exact “model” of the University examination. CCTV cameras are installed in all examination halls to ensure fair conduct of the examinations.

**I Semester B. Sc Mathematics Degree Model
Examination March, 2022**

Time : 9.30-12.30

DATE	COURSE	COURSE CODE	COURSE TITLE
16.03.2022 (Wednesday)	Language Course I English	EN 1111.1	Language Skills
17.03.2022 (Thursday)	Additional Language - I	ML 1111.1	Malayala Kavitha
		HN 1111.1	Hindi Katha Sahithya
18.03.2022 (Friday)	Foundation Course I	EN 1121	Writings on Contemporary Issues
21.03.2022 (Monday)	Core Course I	MM 1141	Methods of Mathematics
22.03.2022 (Tuesday)	Complementary Course - I	ST 1131.1	Statistical Methods
23.03.2022 (Wednesday)	Complementary Course - II	PY 1131.1	Mechanics and Properties of Matter

Model Timetable for internal examination

SREE NARAYANA COLLEGE, CHATHANNUR
I Semester M.Sc Mathematics Degree Model
Examination April 2022
Time: 10.00 – 1.00 pm

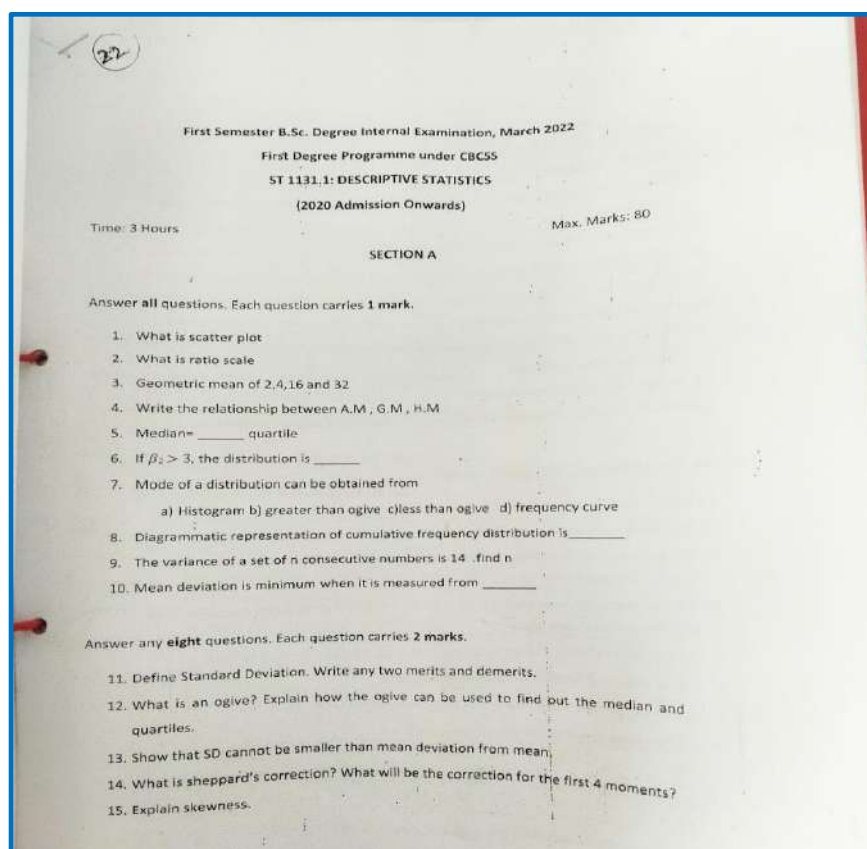
Date	Course Code	Course Title	Invigilator
05.04.2022	MM 211	Linear Algebra	Smt. Rasmi K
7.04.2022	MM 212	Real Analysis - I	Mis. Anjana G
12.04.2022	MM 213	Partial Differential Equations & Integral Equations	Smt. Anumol S
13.04.2022	MM 214	Topology - I	Dr. Rani Rajeevan

Second Semester B. Sc Mathematics Degree
Model Examination- December, 2021
Time : 10.00 am to 1.00 pm

DATE	COURSE	COURSE CODE	COURSE TITLE
07.12.2021 (Tuesday)	Language Course - III	EN 1211.1	Environmental Studies & Disaster Management
09.12.2021 (Thursday)	Language Course- IV	EN 1212.1	English Grammar Usage and writing
13.12.2021 (Monday)	Language Course - V	ML 1211.1	Gadhya Sahithyam
		HN 1211.1	Hindi Nibandh our anya gadya vidhayem
15.12.2021 (Wednesday)	Core course	MM 1221	Foundations of Mathematics
17.12.2021 (Friday)	Complementary Course	ST 1231.1	Probability Theory & Random variables
20.12.2021 (Monday)	Complementary Course	PY 1231.1	Thermal Physics and statistical mechanics



Smt. Muthu S, Assistant Professor, Department of Chemistry on Internal Examination Duty.



Model Question Paper

Arjaly Swati
Roll No: 2
BSc Mathematics

Complex Numbers

(1) (i) $\frac{8i-1}{i} = \frac{(8i-1) \times -i}{i \times -i}$
 $= \frac{-8i^2 + i}{-1^2} = \frac{-8 \times -1 + i}{-(-1)}$
 $= \frac{8+i}{-1}$

(2) $\left[\frac{2+i}{6i-(1-2i)} \right]^2 = \left[\frac{2+i}{6i-1+2i} \right]^2$
 $= \left[\frac{2+i}{8i-1} \right]^2$
 $= \frac{(2+i)^2}{(-1+8i)^2} = \frac{4+4i+i^2}{1+16i^2+64i^2}$
 $= \frac{4+4i-1}{1-16+64}$
 $= \frac{3+4i}{-63-16i} = \frac{3+4i}{(-63-16i)} \cdot \frac{(-63+16i)}{(-63+16i)}$
 $= \frac{189+18i-252i+64i^2}{(-63)^2+(16)^2}$
 $= \frac{-189-204i+(-64)}{3969+256}$
 $= \frac{-253-204i}{4225}$
 $= \frac{-253}{4225} - \frac{204i}{4225}$

Internal exam answer sheet (sample)

5. Continuous Assessment Mark

The answer scripts are forwarded to concerned departments for evaluation. The evaluated scripts are discussed with the students and compiled marks are displayed and communicated to the students. Absentees with genuine reasons are allowed to take a retest (conducted by the department), upon producing a request from the parent, duly endorsed by the tutor and the head of the department. Continuous assessment mark(CE mark) is prepared accordingly and got it verified and signed from students. Components of CE mark are attendance, seminars, assignment and lab skill internal marks etc

SREE NARAYANA COLLEGE, CHATHANNUR
B.Sc. CHEMISTRY & INDUSTRIAL CHEMISTRY
VI SEMESTER INTERNAL MARKS
Admission 2019
Subject: Industrial Chemistry Lab IV
Course Code: IC 1673

Sl.No	Candidate Code	Name of Student	Total (20)	Signature
1	24119130001	Anupama J	20	[Signature]
2	24119130002	Archana A. P	20	[Signature]
3	24119130003	Greeshma M. S	20	[Signature]
4	24119130004	Greeshma S. S	20	[Signature]
5	24119130005	Karthu M. S	20	[Signature]
6	24119130006	Krishnendhu A. M	20	[Signature]
7	24119130007	Mithra M. S	20	[Signature]
8	24119130008	Sona Prasad	20	[Signature]
9	24119130009	Sreelekshmi P	20	[Signature]
10	24119130010	Abhilash M	20	[Signature]
11	24119130011	Anupama A. L	20	[Signature]
12	24119130012	Aromal S. S	20	[Signature]
13	24119130013	Athul Krishnan	20	[Signature]
14	24119130014	Geetharani S	20	[Signature]
15	24119130016	Jeevan V. N	20	[Signature]
16	24119130017	L. Aiswarya	20	[Signature]
17	24119130018	Lekshmi D. Karunan S	20	[Signature]
18	24119130019	Meenakshy Venu	20	[Signature]
19	24119130020	Mekha Suku	20	[Signature]
20	24119130021	Pranav S	20	[Signature]
21	24119130022	Salin Kumar S	20	[Signature]
22	24119130023	Sanjith S	20	[Signature]
23	24119130024	Sarika S	20	[Signature]
24	24119130025	Sooraj S	20	[Signature]
25	24119130026	Soumya L	20	[Signature]
26	24119130027	Suhail S	20	[Signature]
27	24119130028	Thasni B	20	[Signature]

Principal H.O.D

II. Entry of CE mark to university

Entry of internal marks into the University web portal is done by the concerned tutor at the Lecturer Level, which upon verification at the Head of the Department level, will be forwarded to the Principal level, after getting signatures of students on a hard copy of the consolidated mark list. Principal entrusts the CLMC coordinator for the final verification and uploading of the internal marks to University level within the stipulated time. Further clarifications and communications, if required, with the University are carried out by the CLMC coordinator. The final printout of the consolidated mark list and the attendance statement for the semester will be signed by each student and forwarded to the University by the CLMC coordinator. The internal marks of each semester are discussed with the parents during the PTA meeting of the semester.

CA Final List -Linear Algebra

Form No. :17

University of Kerala

Continuous Assessment Marks (PG Theory)

(To be sent to University)

Course MSc Mathematics (620)
 Colege Sree Narayana College Chathannur Kollam(130)
 Exam Code11 62020101
 Scheme 2020
 Exam Month & Yr 8/2021
 Subject Linear Algebra
 Name of Teacher RASMI KONDANCHERI
 Name of Department MATHEMATICS

#	Candidate Code	Name of the Student	Attendance- (Max-5.00)	Assignment- (Max-5.00)	Test- (Max-10.00)	Seminar- (Max-5.00)	Total (A+B+C+D)	Signature
1	62020130001	AKHILRAJ D	5	5	10	5	25	<i>Akhilraj</i>
2	62020130002	AKSHARA S	5	5	8	5	23	<i>Akshara</i>
3	62020130003	ANKITHA P	5	5	10	5	25	<i>Ankitha</i>
4	62020130004	ARYA A R	5	5	10	5	25	<i>Arya</i>
5	62020130005	ASWATHY S	5	5	9	5	24	<i>Aswathy</i>
6	62020130006	CHANCHAL PRASOBH	5	5	9	5	24	<i>Chanchal</i>
7	62020130007	CHINCHU C A	5	5	8	5	23	<i>Chinchu</i>
8	62020130008	DEVIKA R V	5	5	10	5	25	<i>Devika</i>
9	62020130009	DINAJA BABU	5	5	10	5	25	<i>Dinaja</i>
10	62020130010	NAYANA JOY	5	5	10	5	25	<i>Nayana</i>
11	62020130011	NEETHU P	5	5	9	5	24	<i>Neethu</i>

12	62020130012	PRAVEENA P	5	5	8	4	22	<i>Praeena</i>
13	62020130013	PRIYA S	5	5	8	5	23	<i>Priya</i>
14	62020130014	SMRITHI A S	5	5	10	5	25	<i>Smrithi</i>
15	62020130015	SOORYA S	5	5	10	5	26	<i>Soorya</i>
16	62020130016	SOURAV SUDARSAN	5	5	10	5	25	<i>Sourav</i>
17	62020130017	SUJA S	5	5	9	5	24	<i>Suja</i>
18	62020130018	VIJI V	5	5	10	5	25	<i>Viji</i>

[Signature]
Signature of Teacher

[Signature]
Signature of HOD

[Signature]
Signature of Principal

(With Seal)

പ്രിൻസിപ്പൽ
ശ്രീ ധരമയണ കോളേജ്
ചാത്തന്നൂർ

(With College Seal)



Final List -Real Analysis I

Form No. :17

University of Kerala

Continous Assessment Marks (PG Theory)

(To be sent to University)

Course MSc Mathematics (620)
 Colege Sree Narayana College Chathannur Kollam(130)
 Exam Code 11 62020101
 Scheme 2020
 Exam Month & Yr 8/2021
 Subject Real Analysis I
 Name of Teacher RAMSIYA - B
 Name of Department MATHEMATICS

#	Candidate Code	Name of the Student	Attendance- (Max-5.00)	Assignment- (Max-5.00)	Test- (Max-10.00)	Seminar- (Max-5.00)	Total (A+B+C+D)	Signature
1	62020130001	AKHILRAJ D	5	5	9	5	24	<i>[Signature]</i>
2	62020130002	AKSHARA S	5	5	9	5	24	<i>[Signature]</i>
3	62020130003	ANKITHA P	5	5	10	5	25	<i>[Signature]</i>
4	62020130004	ARYA A R	5	5	9	5	24	<i>[Signature]</i>
5	62020130005	ASWATHY S	5	5	9	5	24	<i>[Signature]</i>
6	62020130006	CHANCHAL PRASOBH	5	5	10	5	25	<i>[Signature]</i>
7	62020130007	CHINCHU C A	5	5	10	5	25	<i>[Signature]</i>
8	62020130008	DEVIKA R V	5	5	9	5	24	<i>[Signature]</i>
9	62020130009	DINAJA BABU	5	5	10	5	25	<i>[Signature]</i>
10	62020130010	NAYANA JOY	5	5	9	5	24	<i>[Signature]</i>
11	62020130011	NEETHU P	5	5	9	5	24	<i>[Signature]</i>

<http://www.keralauniversity.ac.in/real/realprintFI.let.nhn?nlist==QORRkVRnFIRNnScQGwImVAnvyskDMIIVFI10h12YvMMIINF7wVvM7VD>

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<https://exams.keralauniversity.ac.in/Login/printFList.php?plist===QOBRkVRpEbRNnSxQGeJmV&pex==kDMUVr>

12	62020130012	PRAVEENA P	5	5	9	5	24	<i>Praveena</i>
13	62020130013	PRIYA S	5	5	9	5	24	<i>Priya</i>
14	62020130014	SMRITHI A S	5	5	10	5	25	<i>Smrithi</i>
15	62020130015	SOORYA S	5	5	9	5	24	<i>Soorya</i>
16	62020130016	SOURAV SUDARSAN	5	5	9	5	24	<i>Sourav</i>
17	62020130017	SUJA S	5	5	9	5	24	<i>Suja</i>
18	62020130018	VIJI V	5	5	10	5	25	<i>Viji</i>

[Signature]
Signature of Teacher

[Signature]
Signature of HOD

[Signature]
Signature of Principal

(With Seal)

ചിതറിപ്പിടാൽ
ശ്രീ നാരായണ കോളേജ്
ചാത്തനൂർ

(With College Seal)



III. External Examination Mechanism

The external examination and evaluation process are done by the affiliating University, ie., University of Kerala which ensures transparency and robustness. The University website portal provides a single window online facility for pre-examinations enrolment, registration to University examinations. Colleges can submit details of candidates for examination registration and download hall tickets online through this portal. Examination calendar is prepared by the Controller of examinations. College conducts the University examination in an effective manner as per the directions from university. For the end semester (University) examinations, the University publishes the results of each semester online.

ES VI/2019

UNIVERSITY OF KERALA

**TIME TABLE FOR THE THIRD SEMESTER B.Sc. DEGREE EXAMINATION, JANUARY 2019
CAREER RELATED FIRST DEGREE PROGRAMME UNDER CBCSS – GROUP 2(a)
B.Sc. CHEMISTRY AND INDUSTRIAL CHEMISTRY (241)
(2017 ADMISSION – REGULAR, 2016 ADMISSION-IMPROVEMENT/ SUPPLEMENTARY
2015,2014 & 2013 ADMISSION-SUPPLEMENTARY)
TIME: 1.30 pm to 4.30 pm (On all days), Except Friday
(2.00 pm to 5.00 pm on Fridays)**

DAY & DATE	COURSE	COURSE CODE	COURSE TITLE
Monday 28.01.2019	Language Course III	EN 1311.3 & EN 1311.1	Writing & Presentation Skills (Common for CBCSS B.A/B.Sc./& Career Related 2(a) (2015 Admission Onwards) & Writing & Presentation Skills(2014 &2013 Admissions)
Friday 01.02.2019	Core course V	IC 1341	Organic Chemistry I (2013 Admission onwards)
Monday 04.02.2019	Core Course VI	IC 1342	Physical Chemistry I (2013 Admission onwards)
Wednesday 06.02.2019	Vocational Course I	IC 1371	Industrial Chemistry I (2013 Admission onwards)
Friday 08.02.2019	Complementary Course III	MM 1331.7	Mathematics III Vector Differentiation Co-Ordinate Systems, Laplace Transforms & Series Solution Of Differential Equations (2013 Admission onwards)

Sd/-

CONTROLLER OF EXAMINATIONS

University Exam Timetable

1. End Semester Assessment (ESA)

End semester assessment of all the semesters will be conducted by the University of Kerala. For each paper the duration of the examination is 3 hours and maximum mark is 80 for UG programmes and 75 for PG programmes. In order to have a pass in the semester examination in PG programmes, the candidate has to secure not less than 30% marks for ESA for each paper and an aggregate minimum of 40% marks including CA for all the papers of a semester. However, practical and theory can be treated as separate units. The marks for project and viva will be carried over. But in UG programmes, a minimum 35% marks each for end semester examination and continuous evaluation for a course pass. The marks of a course are consolidated by combining the marks of ESA and CA.



Dr. Nisha Somarajan, Assistant Professor, Department of English doing external exam duty.

UNIVERSITY OF KERALA **U 1**

Total Pages

Name of Examination with programme 20.....

Name of Course

Exam. Code Course Code

Date of Examination FN / AN

Question Paper Code Time..... To.....

Very Short (10/10)	Qn.	1	2	3	4	5	6	7	8	9	10	Total Marks		
	Mark													
Short (8/12)	Qn.	11	12	13	14	15	16	17	18	19	20	21	22	
	Mark													
Short Essay (6/9)	Qn.	23	24	25	26	27	28	29	30	31				
	Mark													
Long Essay (2/4)	Qn.	32	33	34	35									
	Mark													

GRAND TOTAL

MAXIMUM MARKS 80

SEE OVERLEAF FOR INSTRUCTIONS

Serial No. of the book **658198** (To be filled by the Candidate)

Name of Exam. with programme.....

Name of Course

Register Number (in figures)

Programme Code

Candidate Code

Register Number (in words)

Exam. Code (in figure)

Course Code

Question Paper Code Date of Examination FN / AN

A sample University Exam Booklet

2. Students' projects

The students will submit their project report in the prescribed format. The evaluation shall be done in the manner specified in the Scheme of Examination of the program.

METRIC SPACES

Project Submitted to the University of Kerala in partial fulfillment of the requirements for the
award of the

Bachelor's Degree of Science in Mathematics

Submitted By

Name of the Student		Candidate Code
DEVIKA B. R	:	22019130024
LIPINRAJ A	:	22019130009
REMYA SUDEVAN	:	22019130014
SHERIN JOHN	:	22019130033

Under the supervision and guidance of

Mrs. RAMSIYA. B

EXAM CODE	:	22018602
SUBJECT CODE	:	MM 1646



UNDER GRADUATE DEPARTMENT OF MATHEMATICS

SREE NARAYANA COLLEGE CHATHANNUR

Affiliated to University of Kerala

2019 – 2022

A sample B.Sc project

3. Practical Examination

Practical exams test students' practical skills and techniques usually in laboratory for mainly chemistry and physics subjects.



Students from Chemistry department doing practical in their lab

UNIVERSITY OF KERALA
RESULT OF SECOND SEMESTER
POST GRADUATE DEGREE EXAMINATION
NOVEMBER 2021

(REGULAR , SUPPLEMENTARY& MERCY CHANCE)

M.Sc.
Mathematics
M.A
Economics & Business Economics

Published by

Prof. (Dr.) N. GOPAKUMAR
Controller of Examinations
University of Kerala

Log on to the website www.keralauniversity.ac.in

College Code : 130

S N College, Chathannur

MScMathematics(620)

Semester Pass

62020130001(360.5)	002(302.5)	003(304)	004(279.5)	005(319)
006(337.5)	008(276.5)	009(289.5)	010(287.5)	011(273.5)
012(280)	015(319)	016(300)	017(234)	018(315)
62019130001(283)	002(295)	003(310.5)		

IV. Grievance Redressal Mechanism

The college has a formal mechanism for the transparent and time-bound redressal of the grievance raised by the students, related to both internal evaluation and end-semester University examinations. The mechanism works as a three-tier system – at the Department level, College level, and at the University level. At the department level, once the valued answer scripts for internal examinations are distributed to the students, they are given five days' time for raising any complaints or request for revaluation. Any grievance raised by a student will be addressed by the Head of the Department and the tutor concerned. If the problem remains unresolved at this level, the matter may be brought forth to the next level. At the college level, there exists a formal Grievance Redressal Cell, which includes senior faculty members. The concerned student may approach this committee to redress his/her internal examination related grievance, within ten days of publishing of results. The student may approach the University Level Monitoring Committee (ULMC) for CBCSS if he/she finds the grievance not redressed at the college level. The students can go for revaluation and scrutiny of the answer scripts if they have any grievances pertaining to the result of each course of a programme. Application for revaluation and/or scrutiny is filed online through the student's profile in the University Examination portal within the stipulated time. Any change in the marks will be intimated to the students directly by the University and issues new mark list. If in any case there are genuine complaints from a large group of students regarding the results of any course result published by the University, the Institution takes up the matter and communicates directly to the University to redress the grievance. Continuous follow-up in this regard is carried out by CLMC and the concerned department.

Sree Narayana College, Chathannoor

**MONITORING BODIES FOR THE
DEVELOPMENT OF THE COLLEGE 2021-2022**

The following committees have been constituted for the welfare of the students and the all round development of the college.

1. Academic Committee	
Convenor	- Dr. M.S. Latha (Principal)
Members	- Dr. M.G. Biju - Dr. N.B. Sreekala
2. Anti Ragging Committee / Squad	
Chairperson	- Dr. M.S. Latha (Principal)
Convenor	- Dr. Subhash Chandran. C. S
Members	- Dr. Vishnu S. - Dr. Biju Sukumar - Mr. Binoy S
Lady Rep of the faculty Management Nominee	- Ms. S. Muthu - Dr. G. Jayadevan (Treasurer SN Trust)
PTA Nominee	-
3. Teens Club	
Convenor	- Ms. Biji B
Members	- Ms. Nisha T.V - Ms. Parvathy Nand
4. Anti-Sexual Harassment Cell	
Convenor	- Ms. Nisha. T.V
Members	- Ms. Divya B - Ms. Muthu S. - Ms. Rasmi. K
5. Bhoomtra Club	
Convenor	- Mr. Binoy S
Members	- Ms. Muthu. S - Ms. Jiji P
6. Career Guidance & Counselling Centre	
Convenor	- Dr. M.G. Biju
Members	- Ms. Nisha T.V. - Ms. Divya B
25. Scholarship Committee	
Convenor	- Ms. Biji B - Mr. Binoy S
Members	- Ms. Bhavya Sree. P.G - Dr. Biju Sukumar - Ms. Divya B
26. Website Committee	
Convenor	- Dr. S. Vishnu
Members	- Dr. Nisha Somarajan - Dr. Vidhy R.V - Mr. Kiran Mohan M
27. Sports Club	
Convenor	- Dr. Biju Sukumar
Member	- Dr. C.S. Subhash Chandran
28. Ethics Committee	
Convenor	- Ms. Nisha T.V
Members	- Mr. Kiran Mohan M - Ms. Rasmi K
29. Planning and Purchase Committee	
Convenor	- Dr. Rani Rajeevan
Members	- All Dept. HOD's
30. Grievance Redressal Cell	
Convenor	- Dr. N. B Sreekala
Member	- Dr. M. G Biju - Dr. C.S. Subhash Chandran
31. De-Addiction Club	
Convenor	- Ms. Nisha T.V
Members	- Dr. Biju Sukumar - Dr. Vishnu S
32. PG / UG CLMC	
Convenor	- Dr. Rani Rajeevan
Members	- Dr. N.B. Sreekala - Dr. M.G Biju

Hand Book 2021-22 44

College calendar 2020-21

AKSHARA...

From,
Akshara U.J
III B. Com (VI Sem)
Roll No: 30.
Sree Narayana College,
Chattannoor.

To,
The Head of Department,
Dept of Commerce,
S.N. College,
Chattannoor.

Respected Sir,

I am writing this letter to inform your concern towards the disappearance of internal examination for the subject, Applied Costing. I am sorry to inform you that am unable to attend the scheduled internal assessment of the stated subject due to a medical emergency. I had reported the above said matter to the class tutor also. So, I kindly request you to give an opportunity and grant permission to re-appear the examination.

Thanking you
Akshara

Grievance & Redressal Report
PG Department of Commerce.



Decisions Taken :-

With reference to the request letter received from Akshara UJ enrolled in VI Sem Bcom for the re-appearance of internal examination of the subject Applied costing. It is decided to conduct the exam on 14.9.20 at 10:00am. The subject faculty were assigned to prepare a new question paper and necessary guidelines were issued for the same and the same is reported to the student. The grievance redressal committee of the dept had taken into consideration above said letter and admit appropriate governance measures for the same.

Redressal Mechanism :-

The concerned faculty of the subject had valued the answer script of the student and allotted with 40 on 80 marks and the same is reported to the student and HOD of the dept. The marks were considered for the internal assessment of the subject and the student found satisfied with the redressal mechanism adopted for the issue.

MEMBERS :-

Dr. Pranshu Nand 
Smt. Vijay R. 


SREE NARAYANA COLLEGE CHATHANNUR

Application for Revaluation of Answer Books of Methods of Mathematics

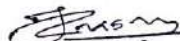
Semester No. 1 year 2018

(Should be submitted with in 7 days from the date of publication of result)

1. Name of the Department : Mathematics
2. Name of the Candidate : Sreelekshmi R.S
3. Name of Examination for which Re-valuation is applied for : Methods of Mathematics
4. Candidate Code : 22018130008


16/11/2018;
Signature of the candidate with date


Recommendation of the Tutor

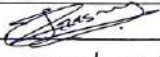

Signature of the HOD

Recommended 
Remarks of the CLMC Coordinator:

Notice

A meeting of the Grievance Redressal cell of PGI department of Mathematics of Sree Narayana college Chathannur will be held on the Department at 2:30pm on 22 November 2018. All members are requested to attend the meeting.




Head of the Department
Head of the Department
Department of Mathematics
Sree Narayana College
Chathannur

Agenda

1. To analyze the letter received from Sreelekshmi R.S regarding the revaluation of the answer book of Method of Mathematics.
2. Any other matter.

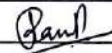
Minutes

A meeting of the Grievance Redressal of PG Department of Mathematics of Sri Narayana College Chathanur was held on 22 November 2018, at 2.30 pm at the department. The following members were present in the meeting.

1. Rasmi.K



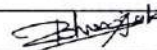
2. Ramsiya.B



3. Binusha.J.S



4. Rohini Asok



5. Rejitha.A



Decision taken:

The Grievance and Redressal Committee of the Department had taken into consideration the letter received from Sreelekshmi R.S regarding the revaluation of the answer book of the Subject "Method of Mathematics". Upon finding that the student scored a total of $47\frac{1}{2}$ marks for the examination valued by the faculty Smt. Rasmika, the committee constituted a meeting and decided to revalue the answer book. Another faculty who had handled the subject in previous semester was authorized to do the same. The decision of the committee was then informed to the student. The student expressed her approval.

Redressal Mechanism:

The internal examiner Rasmika B revalued the paper of the student with much diligence and responsibility. There was no variation in marks as revalued by the examiner with respect to first internal marks assigned. As per the University norms, if the variation of difference in marks of seven or above will be considered as change and will be accepted for internal assessment. The result were discussed and informed to the student and found satisfactory.



[Signature]
 Head of the Department
 Department of Mathematics
 Sree Narayana College
 Chathanoor

SREE NARAYANA COLLEGE CHATHANNUR
Application for Re-Test of Mathematics
Semester No. 2 year 2021

1. Name of the Department : Department of Mathematics
2. Name of the Candidate : Shariya . S
3. Name of Examination for which Re-test is to be conducted : S2- Mathematics
4. Candidate Code with Month & Year : 22020130031
5. Reason for absence in the previous exam : Medical issue

[Signature]
Recommendation of the Tutor

[Signature]
Signature of the candidate with date


[Signature]
Signature of the HOD

[Signature]
Remarks of the CLMC Coordinator: Permitted to attend re test

Notice

A meeting of the Grievance Redressal cell of Pw Department of Mathematics of Sree Narayana College, Chathanur will be held on the Department at 2.30pm on 16th march 2021. All members are requested to attend the meeting.









Head of the Department
Department of Mathematics
Sree Narayana College
Chathanur

Agenda

1. To analyse the letter received from Shariyas regarding the text of the subject "Foundation of Mathematics".
2. Any other matter

Minutes:

A meeting of the Grievance Redressal cell of PGT Department of Mathematics of Sri Narayana College, Chathanur was held on 16th March 2021 at 2.30pm at the department. The following members were present in the meeting

1. Rani Rajeevan (HOD) 
2. Rami K. 
3. Ramsiya B 
4. Aswathy 
5. Binusha JS 


Decision taken:

The Grievance and Redressal committee of the department had taken into notice the letters received from Shasiya S regarding the retest of the subject "Foundation of Mathematics". It was found that the student had not attended the examination due to medical issues. After constituting a meeting the committee decided to give a chance to write the examination. The decision was informed to the students and seems appropriate for the committee and student.

Redressal Mechanism

As per the decision taken in the committee, department conducted retest for the student.




Head of the Department
Department of Mathematics
Sree Narayana College
Chathannur

Maths

Phony: $\frac{1}{2}$
2nd/3rd B: 50
Maths

Roll: No. 22

30/2

1) If p and q are statements then the statement p and q are called conjunction of p and q . It is denoted by $p \wedge q$. It is true only when both p and q are true and false otherwise.

2) The statements are conjunctions and have two conditional statements $p \Rightarrow q$ and $q \Rightarrow p$ are called biconditional statement.

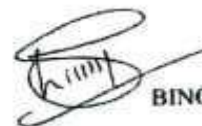
3) The letter \sim is used to represent the contractions. It always represent the falsity of the statement.

4) $p \wedge q \Rightarrow p \vee q$.

p	q	$p \wedge q$	$p \vee q$
T	T	T	T
T	F	F	T
F	T	F	T
F	F	F	F

Examination Grievance Cell Report 2021-22

An Examination Grievance Cell is functioning in our college to identify and redress the examination related problems of students. SALU S.S, History Department student had faced a problem where examination condonation procedures due to attendance shortage were not completed in the university that's why her hall tickets for fifth semester was not released. The procedures for attending the exam were completed in the concerned section of university but the order was not issued by authorities. Grievance cell informed the same to university and they gave permission for writing the examination. After that the cell gave direction to the student for clearing all formalities in connection with release of her hall ticket.



BINOY S

CHIEF SUPERINTENDENT



Principal
Sree Narayana College
Chathannoor

Students Grievances Regarding External Examinations Reported to University of Kerala
(Sample)