



Nanded Education Society's

Science College, Nanded

Tel: 02462-250 465, 251 648

www.sciencecollegenanded.org

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)
(Reaccredited with "A" grade by NAAC with (CGPA 3.38) 3rd Cycle, CPE Status,
DST-FIST, Best College Award (SRTMUN))



**Annual Quality Assurance Report
2022-23**

Criteria- 2

Teaching- Learning and Evaluation

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode



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Recipient of DST-FIST & Best College Award

Examination Evaluation Mechanism Policy

The college has robust mechanism of Continuous Evaluation in several ways. At the beginning of the year the information related to Examinations is disseminated in the college calendar in college diary and on the college website and easily conveyed to the staff and students. The coordinator of Examination Committee is in-charge of the Internal Tests and the University examination. Students are continually evaluated using the following methods and Mechanism:

Evaluation and Assessment Methods	Evaluation Mechanism
Attendance	The University requires at least a 75 % attendance as eligibility criteria for the students in order to appear for the university examinations. The college motivates students to have more attendance than this criterion.
Internal Tests	Internal Unit Tests are conducted to evaluate students in accordance with the affiliated University's regulations and norms. The co-ordinator with the Principal defines the plan of the Internal Assessment Test Schedule for the academic year. The dates of internal tests, evaluations and information to control the malpractice are incorporated in the schedule. The timetable is shared amongst the staff members and students.
University Examination	The College strictly adheres Rules, regulations, and recommendations given time to time by the affiliating university for the smooth conduction of University examinations. For the benefit of enrolled students, university circulars are displayed on the notice board. In the orientation session, students know about the exam schedule, restrictions, and evaluation process.

Assignments Submission	Every year all subject teachers plan and announce the topics and final dates for students to complete the assignments at the end of each chapter, which are graded and counted for Continuous Internal Assessment. The basis for evaluation is the quality and timeliness of the assignments' submission by students.
Class Room Discipline Observation and Performance	Classroom discipline is maintained by class representatives. Teachers also keep watch on students and assess their classroom performance.
Participation in Co-Curricular Activities	The College inspires and assesses students to participate in all co-curricular activities within and outside the College. Students' performance is observed during co-curricular activities. It helps teachers for evaluation.
Subject Based Viva-Voce& Seminars	Subject-based viva-voce and seminar are used to evaluate students. The performance in the viva-voce and seminars is helpful to assess the students.
Report Writing Skills	Field work is also assigned to the students. Field work reports are submitted to the supervisors for the assessment. The quality of the reports has a noteworthy impact on each student's internal marks.
Evaluation through Effective Presentation	Seminar presentation is a major part of the curriculum in most courses, and students are expected to present an effective presentation. For the purpose of awarding grades. Students receive guidance for presenting seminars. These Seminars are graded on their worth.
Evaluation through Inter-Personal, Soft Skills and Communication Skills	Students are actively involved in organization of seminars, conferences, workshops, classroom activities and evaluated on interpersonal Interactions and good behavior in order to identify academic capabilities. Students and research scholars from college are selected for leading, discipline controlling and monitoring for various purposes like social gatherings and research related activities based on their interpersonal relation skills management.



Atwas
PRINCIPAL
 Science College, Nanded

Academic Diary of the Institution 2022-2023

Sr. No.	Contents
1	NANDED EDUCATION SOCIETY, NANDED "GOVERNING COUNCIL"
2	COLLEGE DEVELOPMENT COMMITTEE
3	SCHOOL COMMITTEE
4	COLLEGE ADMINISTRATIVE STAFF
5	UNIVERSITY SONG
6	PERSONAL INFORMATION
7	COLLEGE COMMITTEES
8	CODE OF CONDUCT
9	FIRST TERM
10	SECOND TERM
11	DETAILS FOR CASUAL LEAVE
12	PERSONAL TIME TABLE 2021-2022 (FIRST TERM)
13	PERSONAL TIME TABLE 2021-2022 (SECOND TERM)
14	ANNUAL TEACHING PLAN YEAR 2021-2022
15	DAILY TEACHING REPORT
16	UNIT TEST
17	SEMINARS
18	RESEARCH PAPERS PUBLISHED IN JOURNALS (PEER REVIEWED/ UGC CARE LISTED/E-JOURNALS)
19	BOOKS PUBLISHED (PEER REVIEWED)
20	CHAPTERS/PAPERS IN EDITED BOOKS
21	PAPERS PUBLISHED IN PROCEEDINGS
22	NAME OF AWARD/ RECOGNIZATION FOR EXTENSION ACTIVITIES ON THE YEAR
23	RESEARCH PROJECTS SANCTIONED/ONGOING


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Science College, Nanded

- 24 DETAILS OF TEACHER ATTENDED PROFESSIONAL DEVELOPMENT PROGRAMME/ TRAINING/ STC
 - 25 RESEARCH GUIDANCE: STUDENTS REGISTERED FOR PH.D. / AWARDED
 - 26 DETAILS OF THE CO-CURRICULAR/ EXTRACURRICULAR/ EXTENSION ACTIVITIES/ SOCIAL AND COMMUNITY AWARENESS PROGRAMME DURING ACADEMIC YEAR 2020-21
 - 27 GUEST LECTURES/ RESOURCE PERSON
 - 28 DETAILS OF THE CONFERENCES/ SYMPOSIA/ WORKSHOPS/ SEMINARS ATTENDED DURING ACADEMIC YEAR 2020-21
 - 29 DETAILS OF PAPERS PRESENTED CONFERENCES/ SEMINARS/ WORKSHOPS/ SYMPOSIA
 - 30 DETAILS OF CHAIRMAN/ CO-CHAIRMAN IN CONFERENCES/ SEMINARS/ WORKSHOPS/ SYMPOSIA
 - 31 LIST OF SENIOR COLLEGE TEACHING STAFF
 - 32 LIST OF JUNIOR COLLEGE TEACHING STAFF
 - 33 LIST OF NON TEACHING STAFF
 - 34 IMPORTANT PHONE NUMBERS
 - 35 IMPORTANT NOTES
-


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Science College, Nanded

Notices of Internal Examinations



R.No. F-12, 1962, 26/06/1950
UMF 1261, 13/10/1661

NANDED EDUCATION SOCIETY'S

SCIENCE COLLEGE, NANDED

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NIRF Ranking-72 (Year - 2017), Best College award SRIMUN)
P.O. Box No.62, Such Nagari, Nanded - 431605 (MS, India) P (C) 02462-251648, 250465 Fax: 02462-250465
Email - sciencecollege1950@gmail.com Web - www.sciencecollegenanaded.org

Date: 27/02/2023

NOTICE

All the heads of the department are requested to set the question papers of your department all subjects and submit it to the college exam office on or before 04th March 2023. It is necessary for conduction of unit test as per university norms. Kindly set the question papers.

Principal
Science College, Nanded

Principal
N.E.S. Science College
Nanded

1. Department of Chemistry, Agro. Chem. -
&Fertil. and Anal. Chem. *Nanded 27/2/23*
2. Department of Zoology *8*
3. Department of Fishery Science *7*
4. Department of Botany, Micro.,
Herb. Med. and Biotechnology } *[Signature]*
5. Department of Physics & Electronics - *[Signature]*
6. Department of Mathematics - *[Signature]*
7. Department of Geology - *[Signature]*
8. Department of Statistics & Computer Science - *[Signature]*
9. Department of English, Hindi and Marathi - *[Signature]*



R.No. F-12, 1962, 26/06/1950
UNIF 1261, 15/10/1961

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NIRF Ranking 72 (Year - 2017), Best College award SRTMUN.)

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Email - sciencecollege1950@gmail.com Web - www.sciencecollegenananded.org

Date: 27/02/2023

NOTICE

All the student of B.Sc. Ist, IInd and IIIrd year are hereby informed that their unit test will be conducted in the second week of March, 2023. The time table of this test will be displayed very soon.

Unit tests are compulsory for all students for internal marks.

Convener
Exam Section

Principal
Science College, Nanded

Principal
N.E.S. Science College,
Nanded

N. E. S. SCIENCE COLLEGE, NANDED

214

Unit Test – Internal Exam

Class : B. Sc. I Year

Semester – II

Paper – IV

Subject : Chemistry (Physical + Inorganic)

Q. 1) Solve any three of the following.

15 Marks

- Discuss Born – Haber cycle with an example.
- What is hydrogen bonding? Explain its types with examples.
- Explain the types of hybridization and geometry involved in PCl_5 molecule.
- What is Vander Waal's bonding? Discuss its types in detail.
- Discuss Sp^3d^2 hybridization with example.

Q. 2) Solve any three of the following.


15 Marks

- Explain intermolecular forces in liquids.
- Define surface tension. Explain the effect of temperature on surface tension.
- How will you measure viscosity by Ostwald's method.
- Define the terms Dispersed phase, Dispersion medium & Colloidal system with example.
- Give any one classification of colloidal system.

Q. 3) Solve any Two.

10 Marks

- What is Tyndall effect? Explain.
- Give any two methods of preparation of solution.


Principal
N.E.S. Science College
Nanded

17


SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY NANDED
FACULTY OF SCIENCE B.Sc. II YEAR
SUBJECT : AGRO. CHEM. & FERTILIZERS Paper- ~~X~~
Practical Examination - M/A-

Time : 4 hrs

marks : 50

All Question are compulsory and carry equal marks

- Q1. Estimate the amount of organic carbon from given sample of F.Y.M./compost 10
or
Determine the acidity (in terms of H_2SO_4) of given sample of ammonium sulphate
or
Estimate the amount of available N,P,K by using soil testing kit from soil sample
- Q2. Determine the amount of available zinc from fertilizer sample 10
or
Estimate the total nitrogen from given sample of urea
or
Estimate the amount of water soluble phosphorus from phosphatic fertilized sample
- Q3. Determine the amount of copper from given sample of micro nutrient carrier 10
or
Determine the purity percentage of given sample of ammonium sulphate
or
Estimate the amount of potassium in given fertilizer sample using flame photometer
- Q4. Estimate the amount of manganese from given micronutrient carrier 10
or
Perform qualitative tests and identify given fertilizer samples
or
Determine water soluble calcium from superphosphate sample
- Q5.a) Viva-voce / Visit Report 05
b) Record book 05


Principal
V.E.S. Science College
Nanded