



Mula Education Society's

**ARTS, COMMERCE AND SCIENCE COLLEGE, SONAI**

Tal. Newasa, Dist- Ahmednagar – 414105



Ph.: 02427-231384 Email: sonaicollege@yahoo.co.in, mesacscollege@gmail.com Website: www.acssonaicollege.com

Affiliated to Savitribai Phule Pune University, Pune (I.D.PU/AN/ASC/031/1989)

NAAC Re-accredited with 'A' Grade, DBT Star College Scheme, ISO 9001: 2015 Certified, AISHE Code – C-42096

# **SUPPORTING DOCUMENTS FOR Metric**

## **No. 1.1.1**

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



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ACA– R-04

Academic Year: 2022-23

Rev: 00

**Academic Calendar 2022-2023**

Annual

Date:15/06/2018

**First Term : 20 June 2022 to 30 November 2022****Second Term : 26 December 2022 to 4 May 2023****Mid Term Break : 26 August to 28 August 2022****Diwali Vacation : 22 October to 30 October 2022****Winter Break : 30 November 2022 to 25 December, 2022****Academic Terms and Examination Schedule:**

S.N.	Academic Terms and Examination	Tentative Dates
1.	Commencement of Lectures (SEM I/III/V)	20 June, 2022 (SEM III/V) (SEM I) will be notified separately
2.	Internal Examinations	14 to 21 November 2022
3.	Semester end examination (SEM I/III/V)	As per the university schedule
4.	Commencement of Lectures (SEM II/ IV/ VI)	26 Dec., 2022 (SEM II/ IV/ VI)
5.	Internal Examinations	13 to 20 Feb. 2023
6.	Semester end examination (SEM II / IV / VI)	As per the university schedule
<b>Extra-Curricular Activities</b>		
7.	Celebration of International Yoga Day	21/06/2022
8.	Celebration of Rajarshi Shahu Maharaj Birth Anniversary	26/06/2022
9.	IIC Activity (Program attended online): A Session on Out of the Thinking for Problem Solving	28/06/2022
10.	International Conference on Changing Prospective in Environmental Management, Humanities, and Science & Technology	04 to 15/07/2022
11.	Celebration of Bhaurao Sathe's Death Anniversary	18/07/2022
12.	IIC Activity: Seminar on IPR Awareness Program by Ujjwal Jaipal Singh	25/07/2022
13.	IIC Activity: A Session on Innovation / Prototype Validation – Converting Innovation into a Startup	25/07/2022
14.	Celebration of Kargil Din by NCC Unit of the College	26/07/2022



15.	Faculty Development Program on Entrepreneurship, Innovation and Incubation	29-30/07/2022
16.	IIC Activity: A Workshop on Prototype Design and Development by Ms. Chaitali Kshirsagar	30/07/2022
17.	IIC Activity: A Workshop on Intellectual Property Rights and IP Management for Startup	04/08/2022
18.	IIC Activity: A Webinar on Business Model Canvas by Bharati Nawlani	05/08/2022
19.	IIC Activity: A Session on Problem Solving and Ideation for Yukti 2.0 Contest	06/08/2022
20.	Celebration of 75th Independence Day	15/08/2022
21.	Celebration of Dahihandi Program by Students	19/08/2022
22.	Celebration of World Entrepreneurs' Day	21/08/2022
23.	National Webinar Series on the occasion of Bicentenary Birth Anniversary of Gregor Mendel – Dept. of Botany	23/08/2022
24.	Celebration of Teacher's Day	05/09/2022
25.	A Webinar on Accuracy of the Mahabharata Imagery – Dept. of English & Research Centre	15/09/2022
26.	A National Webinar on the occasion of Birth Bicentennial Celebration of GERGOR J. MENDEL on the Importance of Mutations in Crop Improvement and Crop Protection	22/09/2022
27.	NAAC SSR Submission	Fourth Week of October
28.	Constitution Day or Law Day (India)	26/11/2022
29.	World Aids Day	01/12/2022
30.	National Youth Day Birth Anniversary of Swami Vivekanand	12/01/2023
31.	National Voters Day	25/01/2023
32.	Republic Day of India	26/01/2023
33.	NSS Winter Camp	Second Week of February
34.	National Science Day	28/02/2023
35.	Yashsharada Annual Program & Prize Distribution Ceremony	Last Week of February

**Note:**

- The details for curricular, extra-curricular activities would be displayed on the college notice board from time to time.
- Dates of the meetings of administrative and other committees shall be noticed from time to time.



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- Holidays shall be in accordance with Savitribai Phule Pune University, Pune and Govt. of Maharashtra.

**IQAC Coordinator**

**Principal**

## 2. B.Voc Syllabus Approval Letters

B Voc or Bachelor of Vocation is a specialized 3-year undergraduate program designed to provide skill-based education. It focuses on practical training, industry exposure, and skill development in specific vocations like Tourism, Food

Processing

सावित्रीबाई फुले पुणे विद्यापीठ  
(पूर्वांचे पुणे विद्यापीठ)

दूरध्वनी क्रमांक :  
(०२०) २५६९ १२३३  
२५६२ ११८८  
२५६२ ११८९  
२५६२ ११९०  
२५६२ ११९१



शैक्षणिक विभाग (संलग्नता कक्ष)  
गणेशखिड, पुणे - ४११ ००७  
टेलिग्राफ : 'युनिपुणे'  
फॅक्स : (०२०) २५६९ १२३३  
संकेतस्थळ : www.unipune.ac.in  
ई-मेल : affiliation@pun.unipune.ac.in

संदर्भ क्र. : सीए/७६७

दिनांक : 19/05/2022

प्रति,  
मा. प्राचार्य,  
मुळा एज्युकेशन सोसायटीचे  
कला, वाणिज्य व विज्ञान महाविद्यालय,  
सोनई, ता. नेवासा,  
जि. अहमदनगर - ४१४१०५

विषय : विद्यापीठ अनुदान आयोगाने National Skills Qualification Framework अंतर्गत बी.व्ही.क. अभ्यासक्रमांस/कम्युनिटी महाविद्यालयांस पहिल्या वेळेचे संलग्नीकरणाबाबत तसेच संलग्नीकरणाचे नुतनीकरण व नैसर्गिक वाढीबाबत...

- संदर्भ :
- १) उच्च व तंत्र शिक्षण विभाग, महाराष्ट्र शासन आदेश क्रमांक : एनजीसी २०१८/(३२२/१८)/मशि-४, दिनांक ०४ मार्च, २०२०.
  - २) उच्च व तंत्र शिक्षण विभाग, शासन आदेश क्रमांक : एनजीसी २०१८/(३२२/१८)/मशि-४, दिनांक २५ सप्टेंबर, २०२०.
  - ३) उच्च व तंत्र शिक्षण विभाग, शासन आदेश क्रमांक : मान्यता-२०२१/(६२/२१)/मशि-४, दिनांक २९ ऑक्टोबर, २०२१.
  - ४) मा. सहसंचालक (उच्च शिक्षण), पुणे विभाग, महाराष्ट्र शासन, पुणे-०१ यांचे पत्र क्र.संस/उशि/पुवि/बी.व्ही.क/विषय-अभ्यासक्रम/साफुपुवि/२०२०/२०२४, दिनांक ३०/०९/२०२०.
  - ५) मा. सहसंचालक (उच्च शिक्षण), पुणे विभाग, महाराष्ट्र शासन, पुणे-०१ यांचे पत्र क्र.संस/उशि/पुवि/बी.व्ही.क/विषय-अभ्यासक्रम/साफुपुवि/२०२०/२३६२, दिनांक २०/१०/२०२०.
  - ६) मा. सहसंचालक (उच्च शिक्षण), पुणे विभाग, महाराष्ट्र शासन, पुणे-०१ यांचे पत्र क्र.संस/उशि/पुवि/बी.व्ही.क/विषय-अभ्यासक्रम/साफुपुवि/२०२२/-, दिनांक २७/०४/२०२२.

महोदय/महोदया,

उपरोक्त विषय आणि संदर्भीय शासन निर्णयाबाबत/आदेशाबाबत प्राप्त आदेशानुसार आपणांस कळविण्यात येते की, आपल्या महाविद्यालयास पुढील विवरणात नमूद करण्यात आलेल्या बी.व्ही.क. अभ्यासक्रमांस/कम्युनिटी महाविद्यालयांस त्या त्या शैक्षणिक वर्षांपासून विद्यापीठ अनुदान आयोगाच्या/ NSQF च्या मान्यतेप्रमाणे आवश्यकतेनुसार पूर्वलक्षीप्रभावाने सुरू करण्यास संदर्भीय शासन निर्णयाद्वारे/आदेशाद्वारे 'कायम विना अनुदान तत्वावर' मान्यता देण्यात आलेली आहे. त्यास अनुसरून महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ कलम १०८ आणि ११० मधील तरतूदी तसेच संदर्भीय शासन निर्णयातील/आदेशातील अटी व शर्तीच्या आणि विद्यापीठ अनुदान आयोग, महाराष्ट्र शासन तसेच प्रस्तुत विद्यापीठ यांचेकडून वेळोवेळी विहित आणि निर्मित करण्यात आलेल्या नियम, आदेश, परिनियम, अभ्यादेश इत्यादीमधील तरतूदीच्या तसेच सदर

अभ्यासक्रमांस/महाविद्यालयांस आकारण्यात आलेले त्या त्या शैक्षणिक वर्षाच्या अर्जाचे शुल्क व विहित शुल्क भरण्याच्या अटीवर त्या त्या शैक्षणिक वर्षासाठी पहिल्या वेळेचे संलग्नीकरण आणि संलग्नीकरणाचे नुतनीकरण तसेच नैसर्गिकवाढ देण्यात येत आहे.

अ.क्र.	संदर्भ क्र. १ व २ व ३ मधील शासन निर्णय/आदेशातील अ.क्र.	बी.व्होक. अभ्यासक्रमांसाठी/कम्प्युनिटी महाविद्यालयासाठी NSQF ने मंजूर केलेल्या अभ्यासक्रमाचा तपशील	शैक्षणिक वर्ष	संलग्नीकरणाचा तपशील / प्रकार	विद्यार्थी प्रवेशा शक्ती
१.	३	<b>B.Voc.-</b> 1. Food Processing	२०१९-२०२०	पहिले संलग्नीकरण	प्रत्येकी ५० विद्यार्थी प्रवेशा शक्ती
			२०२०-२०२१	प्रथम वर्ष नूतनीकरण द्वितीय वर्ष नैसर्गिक वाढ	
			२०२१-२०२२	प्रथम व द्वितीय वर्ष नूतनीकरण तृतीय वर्ष नैसर्गिक वाढ	
२.	३	<b>D.Voc.-</b> 1. Beauty Culture in Wellness 2. Banking Operation Management	—	—	
३.	१८	<b>B.Voc.-</b> 1. Hospitality and Tourism	२०२०-२०२१	पहिले संलग्नीकरण	
			२०२१-२०२२	प्रथम वर्ष नूतनीकरण द्वितीय वर्ष नैसर्गिक वाढ	

आपणांस पुढे असेही कळविण्यात येते की, महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ मधील तरतुदींचे तसेच विद्यापीठ अनुदान आयोग/ NSQF व भारत सरकार, महाराष्ट्र शासन तसेच प्रस्तुत विद्यापीठ यांचेकडून वेळोवेळी विहित आणि निर्गमित करण्यात आलेल्या व येणाऱ्या नियम, आदेश, परिनियम, अध्यादेश इत्यादींचे पालन करणे त्याचप्रमाणे आवश्यक तेवढ्या अर्हताधारक प्राचार्य, संचालक, शारीरिक शिक्षण, ग्रंथपाल, अध्यापक व अध्यापकेतर कर्मचारी यांची नियुक्ती करणे तसेच आवश्यक ते निधी स्थापित करणे व ठेवणे आपल्या संस्थेवर/महाविद्यालयावर बंधनकारक राहिल.

उपरोक्त बी.व्होक/कम्प्युनिटी महाविद्यालयांच्या नैसर्गिक वाढ/विस्तारिकरण संदर्भातील प्रस्ताव हे विहित मुदतीत व शासनाकडून वेळोवेळी देण्यात आलेल्या व येणाऱ्या आदेशानुसार विहित पध्दतीने सादर करणे आवश्यक आहे, याची कृपया नोंद घेण्यात यावी.

  
 19/5/2022

(स. द. डाबेकार)  
 उपकुलसचिव

सावित्रीबाई फुले पुणे विद्यापीठ  
 (पूर्वांचे पुणे विद्यापीठ)

दूरध्वनी क्रमांक :

(०२०) २५६९ १२३३  
 २५६२ ११८८  
 २५६२ ११८९  
 २५६२ ११९०  
 २५६२ ११९१



शैक्षणिक विभाग

गणेशखिंड, पुणे – ४११ ००७  
 टेलिग्राफ : 'युनिपुणे'  
 फॅक्स : (०२०) २५६९ १२३३  
 संकेतस्थळ : www.unipune.ac.in  
 ई-मेल : affiliation@pun.unipune.ac.in

संदर्भ क्र. : सीए/१९८८

दिनांक : २२/११/२०२१

प्रति,  
 मा. प्राचार्य/संचालक,  
 प्रस्तुत विद्यापीठाच्या कार्यक्षेत्रांतर्गतची  
 बी.व्होक अभ्यासक्रमांना मान्यता देणेबाबत  
 संलग्नित महाविद्यालये/मान्यताप्राप्त परिसंस्था  
 (कला, वाणिज्य, विज्ञान, ललित कला व  
 हस्तकला, मानस नीती व समाज विज्ञान,  
 प्रयोगजिवी कला, इ.)

विषय : विद्यापीठ अनुदान आयोगाने National Skills Qualification Framework अंतर्गत शैक्षणिक वर्ष २०२०-२०२१ साठी विद्यापीठाशी संलग्नित महाविद्यालयांस /मान्यताप्राप्त परिसंस्थांस मंजूर केलेल्या बी.व्होक. अभ्यासक्रमांस/कम्युनिटी महाविद्यालयांस महाराष्ट्र शासनाची मान्यतेबाबत व संबंधित अटी व शर्तीच्या पूर्ततेचा अहवाल सादर करणेबाबत..

संदर्भ : १) उच्च व तंत्र शिक्षण विभाग, महाराष्ट्र शासन आदेश क्रमांक : २०२१/(६२/२१)/मशि-४, दिनांक २९ ऑक्टोबर, २०२१  
 २) प्रस्तुत विभागाचे पत्र संदर्भ क्र. सीए/४१६, दिनांक २७ मार्च, २०२१

महोदय/महोदया,

उपरोक्त विषयास आणि शासन आदेशास अनुसरून आपणांस कळविण्यात येते की, विद्यापीठ अनुदान आयोगाने National Skill Qualification Framework अंतर्गत शैक्षणिक वर्ष २०२०-२०२१ साठी विद्यापीठाशी संलग्नित कला, वाणिज्य, विज्ञान इ. अभ्यासक्रमांच्या महाविद्यालयांस मंजूरी दिलेल्या बी. व्होक. अभ्यासक्रमांस/ कम्युनिटी महाविद्यालयांस महाराष्ट्र शासनाच्या मान्यतेकामी विद्यापीठ पत्र संदर्भ क्र. सीए/४१६, दिनांक २७ मार्च, २०२१ ला अनुसरून संबंधित संलग्नित महाविद्यालये/ मान्यताप्राप्त परिसंस्था यांचेकडून प्राप्त झालेल्या प्रस्तावांची व त्यासोबतच्या कागदपत्रांची विद्यापीठ अनुदान आयोग, महाराष्ट्र शासन, समुचित प्राधिकरण तसेच प्रस्तुत विद्यापीठ यांचेकडून वेळावेळी विहित करण्यात आलेले नियम, आदेश, तरतूदी, मार्गदर्शक तत्वे इत्यादींनुसार छाननी करून शासनाच्या मंजूरीसाठी प्रस्तुत विभागाचे पत्र क्र. सीए/६४८, दिनांक १७.०६.२०२१ अन्वये शासनास सादर केलेले होते.

संदर्भ क्र. १ मध्ये नमूद करण्यात आलेल्या शासन आदेशान्वये सदर अभ्यासक्रमांना विद्यापीठ अनुदान आयोगाने ज्या शैक्षणिक वर्षापासून मान्यता दिलेली आहे, त्या त्या शैक्षणिक वर्षापासून आवश्यकतेनुसार पूर्वलक्षी प्रभावाने शासन मान्यता देण्यात येत आहे. त्यानुषंगाने सदर अपवादात्मक प्रकरणी महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ च्या कलम १०९(४) (घ) मधील परंतुकानुसार प्राप्त अधिकारात संबंधित संस्था/महाविद्यालयांना त्या-त्या शैक्षणिक वर्षापासून प्रस्तुत विद्यापीठाने शिफारशात केलेले बी.व्होक. अभ्यासक्रमांचे प्रस्ताव विद्यापीठ अनुदान आयोगाच्या मान्यतेप्रमाणे आवश्यकतेनुसार पूर्वलक्षी प्रभावाने कायम विनाअनुदान





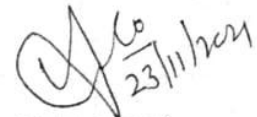
तत्वावर' सुरु करण्यास खालील अटी व शर्तीच्या अधीन राहून मान्यता देण्यात आलेली आहे.  
(सोबत शासन आदेश दिनांक २९ ऑक्टोबर, २०२१)

अटी व शर्ती :

१. सदर अभ्यासक्रम मंजूर करण्यात आलेल्या महाविद्यालयांना राज्य शासनाकडून भविष्यात कोणतेही अनुदान अनुज्ञेय असणार नाही. त्या अनुषंगाने संबंधित महाविद्यालयांनी संबंधित विभागीय सहसंचालक, उच्च शिक्षण, पुणे यांचेकडे ते भविष्यात कोणत्याही परिस्थितीत अनुदानाची मागणी करणार नाहीत असे विनाअट हमीपत्र रू. १००/- च्या नॉन ज्युडीशियल स्टॅम्प पेपरवर सादर करावे.
२. सदर अभ्यासक्रम मंजूर करण्यात आलेल्या महाविद्यालयांनी विद्यापीठाने विहित केलेल्या निकषानुसार व विद्यापीठ अनुदान आयोगाने विहित केलेल्या शैक्षणिक पात्रतेनुसार महाविद्यालयाने अध्यापक/कर्मचारी वर्ग नेमणे आवश्यक असून, मान्य अभ्यासक्रमाच्या अनुषंगाने सर्व आवश्यक पायाभूत सोयी उपलब्ध कराव्यात.
३. महाविद्यालयाने संबंधित अभ्यासक्रमास विद्यापीठ अनुदान आयोगाने मंजूर केलेल्या प्रवेश क्षमतेपेक्षा जास्त प्रवेश देऊ नयेत.
४. तसेच भविष्यात विद्यापीठ अनुदान आयोगाची आर्थिक मदत बंद झाल्यानंतर राज्य शासनाकडून या अभ्यासक्रमाचे कोणतेही आर्थिक दायित्व स्विकारले जाणार नाही.

प्रस्तुत विद्यापीठाशी संलग्नित महाविद्यालये/परिसंस्था व त्यांचे व्यवस्थापन करणाऱ्या संस्थांनी उपरोक्त अटीच्या पूर्ततेचा अहवाल आवश्यक त्या साक्षात्कृत/प्रमाणित/मूळ कागदपत्रांसह दोन प्रतीत दिनांक ३० नोव्हेंबर, २०२१ पर्यंत (सुट्टीचे दिवस वगळून) कार्यालयीन वेळेत प्रस्तुत विभागाकडे सादर करावा.

उपरोक्त बाबींची पूर्तता केल्याशिवाय आणि प्रस्तुत विद्यापीठाकडून संलग्नीकरणविषयक परवानगी लेखी स्वरूपात प्राप्त झाल्याशिवाय संदर्भ क्र. १ मध्ये नमूद केलेल्या शासन आदेशान्वये मंजूर करण्यात आलेल्या महाविद्यालयांनी बी.व्होक. अभ्यासक्रमांस शैक्षणिक वर्ष २०२०-२०२१ साठी विद्यापीठ अनुदान आयोगाने मंजूर केलेल्या प्रवेश क्षमतेपेक्षा जास्त प्रवेश देऊ नये. तसेच त्यासंदर्भातील प्रक्रिया करू नये. अन्यथा सदरबाबत होणाऱ्या कारवाईस आपली संस्था व महाविद्यालय/परिसंस्था सर्वस्वी जबाबदार राहिल, याची प्रकषाने नोंद घेण्यात यावी.



(स. द. डावखर)

उपकुलसचिव

संलग्नता कक्ष

सोबत: वरीलप्रमाणे.

प्रत माहिती व पुढील कार्यवाहीसाठी :

मा. अध्यक्ष/सचिव, संबंधित संलग्नित महाविद्यालये/परिसंस्था यांचे व्यवस्थापन पाहणाऱ्या संस्था

मा. विद्यापीठ यांचे कार्यालय  
विद्यापीठ  
आय: 29/10/2021  
5969  
जाचक दिनांक: 10/11/2021  
Acad.

बी.व्होक  
अभ्यासक्रमांना मान्यता  
देणेंबाबत.

महाराष्ट्र शासन

उच्च व तंत्र शिक्षण विभाग

शासन आदेश क्रमांक: मान्यता-२०२१/(६२/२१)/मशि-४

मंत्रालय विस्तार भवन, मुंबई ४०० ०३२

दिनांक : २९ ऑक्टोबर, २०२१.

- संदर्भ: १. कुलसचिव, सावित्रीबाई फुले पुणे विद्यापीठ, पुणे यांचे पत्र क्र. संदर्भ क्र. सोए/६४८ दिनांक: १७.०६.२०२१  
२. प्र. कुलसचिव, पुण्यश्लोक अहिल्यादेवी होळकर सोलापूर विद्यापीठ, सोलापूर यांचे पत्र क्र. संदर्भ क्र. जा.क्र. पुअहोसोविसो/संलग्नता/२०२०/८५ दिनांक: ०४.०१.२०२१

शासन आदेश

केंद्र शासनाच्या मनुष्यबळ विकास मंत्रालयाने National Vocational Education Qualification Framework या नावाचा कौशल्य विकास कार्यक्रम २०११ मध्ये सुरू केलेला आहे. त्यानुसार केंद्र शासनाच्या वित्त विभागाने National Skill Qualification Framework ही योजना लागू केलेली आहे. त्याअनुषंगाने विद्यापीठ अनुदान आयोगाने उच्च शिक्षणावर आधारित दिनदयाळ उपाध्याय कौशल्य केंद्रामार्फत व्यवसाय अभ्यासक्रम व कम्युनिटी महाविद्यालयांना मान्यता देण्याची योजना लागू केलेली आहे. सदर योजनेनुसार १ वर्षीय पदविका, २ वर्षीय Advanced Diploma व ३ वर्षीय B.VOC पदवी बहाल केली जाणार आहे. त्या अनुषंगाने विद्यापीठ अनुदान आयोगाने Guidelines for introduction of Bachelor of vocation (B.VOC) Programme in universities & colleges under the National Skills Qualifications Framework (NSQF) निर्गमित केलेले आहेत. सदर मार्गदर्शक तत्वातील पात्रतेनुसार संदर्भाधीन विद्यापीठांशी संलग्नित महाविद्यालयांनी दिनदयाळ उपाध्याय कौशल्य केंद्रामार्फत सुरू केलेल्या अभ्यासक्रमास मान्यता मिळणेबाबत विद्यापीठ अनुदान आयोगाकडे अर्ज सादर केले होते. त्या महाविद्यालयांना विद्यापीठ अनुदान आयोगाने B.Voc. अभ्यासक्रम व कम्युनिटी महाविद्यालयांना मंजूरी दिलेली आहे. तथापि, महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ मधील कलम १०९ चा अभ्यासक्रमांना शासनाच्या मान्यतेची आवश्यकता आहे.

विद्यापीठ अनुदान आयोगाने ज्या उद्देशाने NSQF अंतर्गत बी.व्होक अभ्यासक्रम व कम्युनिटी कॉलेज मान्यता दिलेली आहे ते उद्देश साध्य होण्याच्या दृष्टीने त्यावर विद्यापीठाचे सनियंत्रण प्रस्थापित करण्यासाठी व सर्व विद्यापीठांमधील कार्यपध्दतींत एकसूत्रता आणण्यासाठी निकष व कार्यपध्दती सुनिश्चित करण्यासाठी संबंधित विद्यापीठांच्या प्र.कुलगुरूंची समिती गठीत करण्यात आली होती. सदर समितीच्या बैठकीमध्ये देण्यात

DR Academic Affiliation

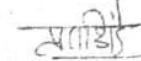
आलेल्या सूचनाच्या अनुषंगाने संबंधित विद्यापीठांनी अद्यापपर्यंत शासन मान्यतेसाठी प्रस्ताव प्राप्त झालेले मान्यतेसाठी फेरसुधार कले आहेत.

या योजनेतगत राज्यातील विद्यार्थ्यांना प्राप्त होणारी संधी व त्यातून निर्माण होणारे रोजगारयुक्त कौशल्य आणि या अभ्यासक्रमांसाठी विद्यापीठ अनुदान आयोगाकडून मिळणाऱ्या निधी तसेच, अशा अभ्यासक्रमांमध्ये त्यांच्या शैक्षणिक वर्षात प्रवेशित असलेल्या विद्यार्थ्यांचे शैक्षणिक त्रिज या सर्व बाबींचा सकारात्मक विचार करता, सदर अभ्यासक्रमांना विद्यापीठ अनुदान आयोगाने ज्या शैक्षणिक वर्षापासून मान्यता दिलेली आहे, त्या- त्या शैक्षणिक वर्षापासून आवश्यकतेनुसार पूर्वलेखी प्रभावाने शासन मान्यता देण्यात येत आहे. त्यानुषंगाने सदर अपवादोत्पन्न प्रकरणे महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ च्या कलम १०९ (८) (घ) मधील परतुकांनुसार प्राप्त अधिकारात सोबत जोडलेल्या विवरणाप्रमाणे त्यांच्या शैक्षणिक वर्षापासून सॉव्हीटरीयॉर्ड फुले पुणे विद्यापीठ, पुणे व पुण्यश्लोक अहिल्यादेवी तोळकर सोलापूर विद्यापीठ, सोलापूर यांनी शिफारसीत केलेले बी.व्होक अभ्यासक्रमांचे प्रस्ताव विद्यापीठ अनुदान आयोगाच्या मान्यतेप्रमाणे आवश्यकतेनुसार पूर्वलेखी प्रभावाने सुरु करण्यास कायम विनाअनुदान तत्वावर मान्यता देण्यात येत आहे.

विद्यापीठ अनुदान आयोगाने मान्यता दिलेल्या बी.व्होक अभ्यासक्रमांना मान्यता देणेबाबत.		
अ. क्र.	महाविद्यालयाचे नाव	बी.व्होक अभ्यासक्रम
सावित्रीबाई फुले पुणे विद्यापीठ, पुणे		
१	एस्.एस्.पी. मंडळाने चारमल ताराचंद बोरा कला, वाणिज्य व विज्ञान महाविद्यालय, शिरूर, जि. पुणे.	B.Voc 8) Instrumentation/ Advanced Instrumental Techniques 9) Tourism and Hospitality 10) Fundamentals of Geo Informatics 11) Banking and Financial Service/ Digital Banking 12) Agriculture/ Bio Fertilizer Production Technology 13) Food Processing 14) Healthcare
२	पुणे जिल्हा शिक्षण मंडळाचे, अण्णासाहेब यादिर महाविद्यालय, ओतूर, ता. जुन्नर, जि. पुणे.	B.Voc 1) Certificate Course in Dairy Technology and Dairy Management 2) Certificate Course in Geographical Information System 3) Certificate Course in Accounting for GST
३	पुणे जिल्हा शिक्षण मंडळाचे, मामासाहेब मोहोळ कला, वाणिज्य व विज्ञान महाविद्यालय, पीड रोड, पुणे.	B.Voc 1) Retail Management 2) Software Development

२. विद्यापीठाने विहित केलेल्या निकषानुसार व विद्यापीठ अनुदान आयोगाने विहित केलेल्या शैक्षणिक पात्रतेनुसार महाविद्यालयाने अध्यापक / कर्मचारी वर्ग नेमणे आवश्यक असून, मान्य अभ्यासक्रमाच्या अनुषंगाने सर्व आवश्यक पायाभूत सोयी उपलब्ध कराव्यात व त्याची खात्री संबंधित विद्यापीठांनी करावी.
३. महाविद्यालयाने विद्यापीठ अनुदान आयोगाने मंजूर केलेल्या प्रवेश क्षमतेपेक्षा जास्त प्रवेश देऊ नयेत.
४. अभ्यासक्रम मंजूर करण्यात आलेल्या महाविद्यालयांनी विद्यापीठ अनुदान आयोगाच्या (ऑफ्लिएशन ऑफ कॉलेजेस बाय युनिव्हर्सिटीज) रेग्युलेशन २००९ नुसार संलग्नीकरण देण्याबाबत विहित केलेल्या निकषांची पूर्तता केली असल्याचे विद्यापीठ व सहसंचालकांनी खातरजमा करावी.
५. भविष्यात विद्यापीठ अनुदान आयोगाची आर्थिक मदत बंद झाल्यानंतर राज्य शासन या अभ्यासक्रमाचे कांणतेही आर्थिक दायित्व स्विकारणार नाही.

महाराष्ट्राचे राज्यपाल यांच्या आदेशानुसार व नावाने.

  
(प्र. रा. शिंदे)

अवर सचिव, महाराष्ट्र शासन

प्रत.

- १) संचालक, उच्च शिक्षण, महाराष्ट्र राज्य, पुणे.
- २) विभागीय सहसंचालक, पुणे व सोलापूर विभाग.
- ३) कुलसचिव, संबंधित विद्यापीठे.
- ४) संबंधित महाविद्यालये (विद्यापीठांमार्फत)
- ५) निवड नस्ती (मशि-४)



शैक्षणिक विभाग,  
गणेशखिंड, पुणे-४११ ००७  
दूरध्वनी क्र : ०२०-२५६०९२५७/५८  
ई-मेल : boards@pun.unipune.ac.in  
संकेतस्थळ : www.unipune.ac.in

सावित्रीबाई फुले पुणे विद्यापीठ  
(पूर्वीचे पुणे विद्यापीठ)  
**Savitribai Phule Pune University**  
(Formerly University of Pune)

Academic Section  
Ganeshkhind, Pune-411 007  
Phone: 020-25601257/58  
E-mail: boards@pun.unipune.ac.in  
Website: www.unipune.ac.in

संदर्भ क्र : सी.बी.एस. / ४१५

दिनांक: १२.०५.२०२१

परिपत्रक क्र. १२७ / २०२१

विषय :- विज्ञान व तंत्रज्ञान विद्याशाखेतर्गत बॅचलर ऑफ व्होकेशनल (Bachelor of Vocational) सुधारित अभ्यासक्रमास मान्यता देणेबाबत...

विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार सर्व संबंधितांस या परिपत्रकाद्वारे कळविण्यात येते की, विज्ञान व तंत्रज्ञान विद्याशाखेतर्गत खालील बॅचलर ऑफ व्होकेशनल (Bachelor of Vocational) सुधारित अभ्यासक्रमास मान्यता देण्यात येत आहे.

**B.VOC Courses Started from : 2020 - 2021**

Sr. No.	College Name	Course Name	Remark
1.	Mahatma Gandhi Vidyamandir's Loknete Vyankatrao Hiray Arts, Science & Commerce College, Panchavati, Nashik -3	Food Processing Technology	F.Y. syllabus: Approved
2.	Indapur Taluka Shikshan Prasark Mandals Arts, Science and Commerce College, Indapur, Dist. Pune-413106	Dairy Technology	F.Y. syllabus: Approved
5.	Maratha Vidya Prasark Samaj's G.M.D. Arts, B.W. Commerce & Science College, Sinner, Nashik-Pune Highway, Sinner, Dist. Nashik – 422 103	Livestock Production and Management	F.Y.,S.Y.,T.Y. Syllabuses: Approved
6.	Progressive Education Society's, Modern College of Arts, Science and Commerce, Ganeshkhind, Pune- 411016	Food Processing Technology	F.Y. Syllabus : Approved
9.	Prof. Ramkrishna More Arts, Commerce & Science College, Sec. No. 28, Ganganager, Pradhikaran, Akurdi, Pune- 44	Food Science Technology	F.Y.,S.Y.,T.Y. Syllabus : Approved



13	KKHA Arts, SMGL, Commerce and SPHJ Science College, Chandwad	Green House Management	F.Y. Syllabus Approved
14	Mula Education Society's, Arts Commerce & Science College, Sonai, Tal. Newasa, Dist. Ahmednagar-414 105	Food Processing	F.Y. & S.Y. Approved
17	Modern College of Arts, Science and Commerce, Ganeshkhind, Pune- 411016	Food Processing Technology (Revised)	F.Y.,S.Y.,T.Y. Syllabus Approved
7.	Rayat Shikshan Sanstha's, Dada Patil Mahavidyalaya, Arts, Commerce and Science, Karjat, Dist. Ahmednagar- 414 402	1. Medicinal Plants Grower (Revised)	F.Y.,S.Y.,T.Y. Syllabus : Approved
9.	Shri Gurudeo Shikshan Prasark Mandal, Yeol's, Swami Muktanand College of Science, Yeola – 423 401.	Mushroom Cultivation (Agricultural)	F.Y.,S.Y.,T.Y. Syllabus : Approved
11.	Mula Education Society's, Shri Dnyaneshwar Mahavidyalaya, Newasa, Tal. Newasa, Dist. Ahmednagar	Diploma Food Processing	F.Y.,S.Y.,T.Y. Syllabus : Approved
<b>List of B.Voc. Programs under UGC were approved (to be implemented for the T.Y.B.Voc. from 2020-21)</b>			
[B.Voc Courses under Life Sciences, Chemical & Pharmacy ( LCP) Vocational Ad hoc Board]			
1	Waghire College of Arts, Commerce & Science, Saswad, Ta. Purandar, Dist-Pune, Pin-412301	Food Processing and Technology	Approved
2	Arts, Science and Commerce College, CIDCO, Utamnagar, Nashik-422008	Food Processing Technology	Approved
3	Mula Education's Arts, Commerce and Science College, Sonai, Tal Nevasa, Ahmednagar-414105	Food Processing (Dairy Milk)	Approved
4	Sangamner Nagarpalika Arts, D J Malpani Commerce and B N Sarda Science College, Sangamner, Ahemdngar-422605	Dairy Products and Processing Agriculture and Soil Science	Approved Approved
5	Dada Patil Mahavidyalaya , Arts, Commerce and Science, Karjat, Ahmedngar-414402	Medicinal Plants Grower	Approved
6	Karmaveer Abasaheb Alias N M Sonawane Arts, Commerce and Science College, Satana, Tal- Baglan, Nashik-423301	Agriculture and Horticulture	Approved
7	Vidya Pratishthan's Arts, Science and Commerce College, Vidyanagari, Bhigwan Road, Baramati . Pune-413133	Food Technology	Approved
8	T C College, Arts, Science and Commerce, Barmati-413102	Dairy Technology	Approved




9	Netaji Shikshan Sanstheche Subhash Baburao Kul Mahavidyalaya, Kedgaon, Tal. Daund, Pune-412203	Food Processing	Approved
10	Hutatma Rajguru Mahavidyalaya, Rajgurunagar, Tal. Khed, Dist-Pune, Pin-410505	Dairy and Food Technology	Approved
11	Karmavir Keshavlalji Harakchandji Abad Arts, Shriman Motilalji Girdharilalji Lodha Commerce & Shriman P.H.Jain Science College, Neminagar, Chandwad-423101, Dist-Nashik	Analytical Techniques in Pharmaceutical Analysis	Approved
11	Karmavir Keshavlalji Harakchandji Abad Arts, Shriman Motilalji Girdharilalji Lodha Commerce & Shriman P.H.Jain Science College, Neminagar, Chandwad-423101, Dist-Nashik	Analytical Techniques in Pharmaceutical Analysis	Approved

**B.VOC Courses Started from : 2019 – 2020**

[B.Voc Courses under Life Sciences, Chemical & Pharmacy ( LCP) Vocational Ad hoc Board]

	College Name	Course Name	Remark
1	Indapur Taluka Shikshan Prasark Mandal's, Arts, Science & Commerce College, Indapur, Dist. Pune	1. Dairy Technology 2. Food Science and Harvest Technology	F.Y syllabus Approved F.Y syllabus: Approved
2	Mahatma Gandhi Vidyamandir's, M.S.G. Arts, Science and Commerce College, Malegoan, Nashik- 423 103	DMLT	Approved

प्राचार्य, संबंधित विज्ञान महाविद्यालये यांना विनंती की, सदर परिपत्रकाचा आशय सर्व संबंधितांच्या निदर्शनास आणून द्यावा.


  
(मुंजाजी रासवे)  
उपकुलसचिव




Ph.: 02427-231384 Email: sonaicollege@yahoo.co.in, mesacsccollege@gmail.com Website: www.acssonaicollege.com  
Affiliated to Savitribai Phule Pune University, Pune (I.D.PU/AN/ASC/031/1989)  
NAAC Re-accredited with 'A' Grade, DBT Star College Scheme, ISO 9001: 2015 Certified, AISHE Code – C-42096

**Certificate & Value Added Courses**

Value Added courses are career and market oriented, skill-enhancing courses that empower the students beyond their domain of study.



**सावित्रीबाई फुले पुणे विद्यापीठ**  
गणेशखिंद, पुणे - ४११ ००७.  
**Savitribai Phule Pune University**  
Ganeshkhind, Pune - 411007.



स्वातंत्र्याचा अमृत महोत्सव  
शैक्षणिक विभाग (मान्यता कक्ष)  
Academic Section (Approval Cell)  
वेबसाइट / Website: www.unipune.ac.in

दूरध्वनी क्रमांक : ०२०-२५६२११५६/५७/६०  
Telephone : 020-25621156/57/60  
ईमेल / Email : boards@unipune.ac.in

Ref. No. : CB/826 Date : 08/08/2023


To,  
The Principal/Director  
Mula Education Society Arts Commerce and  
Science College Addr: Post Sonai Tal:  
Nevasa Dist: Ahmednagar Pincode: 414105

**Subject : Regarding Continuation for Value Added Courses ....**


Sir/Madam,

With reference to your application regarding Value Added Course/Courses, you are hereby informed that, as per the decision taken by the University Authorities continuation of approval for the following Course/Courses is/are granted.


Sr.No.	Faculty	Course Name	Approved For A.Y.
1	Humanities	Certificate Course in Advanced Spoken English	2022-2023
2	Humanities	Certificate Course in Beauty Culture	2022-2023
3	Humanities	Certificate Course in Personality Development	2022-2023
4	Humanities	Certificate Course in Public Speaking	2022-2023
5	Humanities	Certificate Course in Spoken English	2022-2023
6	Humanities	Certificate Course in Tailoring & fashion Designing	2022-2023
7	Commerce and Management	Certificate Course in Fundamentals of Communication	2022-2023
8	Commerce and Management	Certificate Course in Personal Management	2022-2023
9	Commerce and Management	Certificate Course in Web Designing	2022-2023
10	Science and Technology	Certificate Course in Medicinal & Aromatic Plants	2022-2023
11	Science and Technology	Certificate Course in Soil & Water Analysis	2022-2023

  
 (Dr. M. V. Rasve)  
 Deputy Registrar

To, Dr. Adik & copy to done

  
7/8/2023

(T@Ac) 319 | 9.8.23)


8/19/2023  
29/4  
8/10/23  


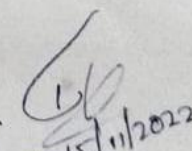




**Details of Courses and Course Coordinators**

Sr.No.	Name of Certificate Course	Name of Course Coordinator	Contact No.	Stream for admission
1	Certificate course in Beauty Culture	Mrs. S.A. Deshmukh	9403905330	Arts, Commerce & Science
2	Certificate course in e-Commerce	Mr. Y. B. Tambe	9665040250	Commerce
3	Certificate course in Soil and Water Analysis	Mrs. M. B. Lande	9730681386	Science
4	Certificate course in Medicinal and Aromatic plants	Dr. V.E. Darandale	9766706551	Science
5	Certificate course in Spoken English	Mr. G.V. Nishane	9270482565	Arts, Commerce & Science
6	Certificate course in Advanced Spoken English	Prof. Dr. M.G. Varpe	9890360755	Arts, Commerce & Science
7	Certificate course in Public Speaking	Dr. S.B. Choudhare	9890223394	Arts, Commerce & Science
8	Certificate course in Fundamentals of Communication	Mr. L. R. Sayyad	9960892386	Arts, Commerce & Science
9	Certificate course in Personality Development	Mr. V.M. Pawar	9960338415	Arts, Commerce & Science
10	Certificate course in Advanced program in Personal Management	Mr. L. R. Sayyad	9960892386	Arts, Commerce & Science
11	Certificate course in Web-designing	Mr. M. R. Bahirat	9527503444	Arts, Commerce & Science
12	Certificate course in Tailoring and Fashion Designing	Mrs. M. B. Kadam	8830067877	Arts, Commerce & Science
13	Certificate course in Photography & Video Shooting	Mr. R.S. Shinde	9921060968	Arts, Commerce & Science

  
Mr. B.L. Shinde  
Convener

  
15/11/2022  
**PRINCIPAL**  
Mula Education Society's  
Arts, Commerce & Science College, Sonai  
Tal. Newasa, Dist. Ahmednagar Pin 414105

### 3. Department Meeting and Sample Teachers Workload

#### 1. History Department

25<sup>th</sup> July 2022  
Staff Meeting.

Today the staff meeting is conducted in the department mainly to discuss National Education Policy. The following topics are discussed.

1. The Faculty members discussed the newly introduced National Education Policy of India. and its aims, objectives and provisions. It is decided to prepare for its smooth implementation.
2. It is decided to start classes of the second year PG students and second year UG students from 1<sup>st</sup> August, 2022.
3. It has been decided to conduct study tour of the historically important places as a part of experiential learning.
4. It is also decided to focus on slow learners and guide them in such a way to bring them into main stream.
5. The use of ICT and smart class board has to be increased so as to improve the teaching-learning process.


(Mr. Padar D.B.) (Dr. Sinawane J.C.) (Dr. Darade S.)

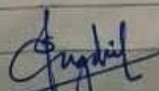
3<sup>rd</sup> December, 2022  
Staff Meeting

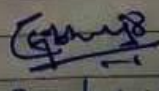
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DATE: / / 20  
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The meeting of all faculty members is conducted today in the department. The following topics are discussed.

1. It has been decided to prepare for the next visit of peer team of the NAAC for the 4<sup>th</sup> cycle.
2. It has been decided to maintain all the record of the internal examination for further process of feeding marks through online procedure of the university.
3. It is decided to publish research papers in the UGC Care listed journals.
4. Dr. Sonawane and Dr. Parade have been congratulated for winning the Award in the field of education.
5. It is decided to conduct study tour in this academic year after the peer team visit of the NAAC.

  
(Mr. Padas D.B.)

  
(Dr. Sonawane J.C.)

  
(Dr. Parade J.J.)



**Mula Education Society's  
Arts, Commerce & Science College, Sonai.**

**Department of History**

ACA – R-20

Rev : 00

Date: 15/06/2019

Ref: MES/ACSC/ACA/ /

**Work Load Distribution UG & PG**

Academic Year: 2022-23

Annual/Semester:

Date:08/10/2022

Sr. No	Name of Faculty	Name of Subject	Year	Load		Project Work	Total Load
				TH	PR		
1	Dr. Darade. S.S	Early India: From Prehistory to the Age of the Mauryas (Sem-I)	FY.BA	04			28
		Early India: Post Mauryan Age to the Rashtrakutas (Sem-II)					
		History of the Marathas: (1630-1707)(Sem-III)	SY.BA	04			
		History of the Marathas: (1707-1818)( Sem-IV)					
		Medieval India - Sultanate Period (Sem-III)	SY.BA	04			
		Medieval India – Mughal Period (Sem-IV)					
		Generic Elective (Extra Credit )	TY.BA	01			
		Maharashtra in the 19th Century (Sem-V)	TY.BA	04			
Maharashtra in the 20th Century (Sem-VI)							
South Indian Art and Architecture ( Sem-V)	TY.BA	03					
Numismatics (Sem-VI)							
Maratha Polity (Sem-I)	MA I	04 (Hours)					
Socio Economic History of Marathas (Sem-II)							
Intellectual History of the Modern World (Sem-III)	MA II	04 (Hours)					
Debates In Indian Historiography (Sem-IV)							
2	Dr. Sonawane. J.C.	Early India: From Prehistory to the Age of the Mauryas (Sem-I)	FY.BA	04			24
		Early India: Post Mauryan Age to the Rashtrakutas (Sem-II)					
		Glimpses of the Modern World Part –I (Sem-III)	SY.BA	04			
		Glimpses of the Modern World Part –II (Sem-IV)					
		Indian National Movement (1885-1947) (Sem-V)	TY.BA	04			
		India After Independence (1947-1991) (Sem-VI)					
Introduction to Historiography (Sem-V)	TY.BA	04					
Applied History (Sem-VI)							
Social Background of Dalit Movement in Maharashtra (Sem-I)	MA I	04 (Hours)					
Nature of Dalit Movement in Maharashtra (Sem-II)							
Economic History of Modern India	MA II	04					



**Mula Education Society's  
Arts, Commerce & Science College, Sonai.**

**Department of History**

		(Sem-III) Modern India (Sem-IV)		(Hours)			
		Art &Architecture in Early India (Sem-III) Art &Architecture in Medieval India(Sem-IV)	SY.BA	03			
		History: Theory and Method(Sem-I) Evolution of Ideas and Institutions in Early India (Sem-I) Approaches to History (Sem-II) Ideas and Institutions in Medieval India (Sem-II)	M.A.-I	08 (Hours)			
3	Mr.Padar.D.B.	East Asia: Japan (1853-2000) (Sem-III) Cultural History of Maharashtra (Sem-III) Modern Maharashtra: History of Ideas (Sem-IV) World After World War II (Sem-IV)	M.A.-II	08 (Hours)		29	
		Human Rights	M.A.-I	02 (Hours)			
		Cyber Security	M.A.-I & II	04 (Hours)			
		Skill Development -I	M.A.-II	02 (Hours)			
		Introduction Constitution	M.A.-II	02 (Hours)			

Total Workload UG – 39


PG - 42

Total = 81

Head  
Department of History  
Arts, Commerce & Science  
College, Sonai, Tal. Newasa,  
Dist. Ahmednagar - 414105



## 2. Department of Commerce

  
**Mula Education Society's**  
**Arts, Commerce & Science College, Sonai**  
Department of Commerce

**Minutes of the Meeting**

Date:- 15/07/2022 Day: Friday


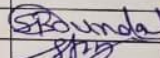

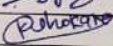
Place:- Department of Commerce Time :- 11.30 am

The meeting of Department of Commerce was held on 15/07/2022 at 11.30 am to discuss the agenda mentioned below.

**Agenda of Meeting:-**

1. To confirm the minutes of the previous meeting.
2. To distribute of subjects and workload.
3. To discuss about departmental requirement and budget.
4. Any other subject with permission of Chair-Person.

**The following members were present for meeting:**

Sr. No	Name of Member	Member	Signature
1	Prin. Dr. S.L. Laware	Principal	
2.	Dr. D.E. Zine	Vice Principal	
3.	Dr. S.R. Darandale	H.O.D.	
4.	Dr. S.R. Roundal	Professor	
5.	Dr. S.L. Adamane	Asst. Professor	
6.	Mrs. K.B. Kaveri	Teaching	

**Minutes of Meeting**

**Subject No. 1:** To confirm the minutes of the previous meeting.

**Resolution No. 1** - The minutes of the previous meeting were read out by Dr. S.R. Darandale and unanimously confirmed after the discussion on the subject.

Suggested by :- Dr. S.R. Darandale  
Seconded by :- Dr. D.E. Zine

**Subject No. 2:** To distribute of subjects and workload.

**Resolution No. 2** - It was discussed about subjects distribution and workload of the academic year 2021-22 in the meeting. The subjects were distributed as follows unanimously.

1



Mula Education Society's  
**Arts, Commerce & Science College, Sonai.**

Department of Commerce

ACA – R-20	<b>Work Load Distribution PG M.Com.</b>	Academic Year: 2022-23
Rev : 00		Annual/Semester: II / IV
Date: 15/06/2018		Date: 06/02/2023
Ref: MES/ACSC/ACA/ /		

Sr. No	Name of Faculty	Name of Subject	Year	Load		Project Work	Total Load	Sign of Faculty
				TH	PR			
1	Dr. Adamane S.L.	Financial Analysis and Control	2022-23	04			12	
		Project Work			04			
		Industrial Economic Environment		04				
2	Mrs. Dhokane K.B.	Capital Market & Financial Services	2022-23	04			12	
		Recent Advances in Business Administration.		04				
		Element of Knowledge Management		04				
3.	Mr. Sayyad L.R.	Industrial Economics	2022-23	04			12	
		Business Ethics & Professional Values		04				

Head  
Department of Commerce  
Mula Education Society's  
Art's, Commerce & Science College  
Sonai, Tal. Newasa, Dist. Ahmednagar, Pin-414105



Mula Education Society's

**ARTS, COMMERCE AND SCIENCE COLLEGE, SONAI**

Tal. Newasa, Dist- Ahmednagar – 414105



Ph.: 02427-231384 Email: sonaicollege@yahoo.co.in, mesacsccollege@gmail.com Website: www.acssonaicollege.com

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Mula Education Society's  
**Arts, Commerce & Science College, Sonai.**

Department of Commerce

ACA – R-20	<b>Work Load DistributionPG M.Com. Part-I Sem-I</b>	Academic Year: 2022-23
Rev : 00		Annual/Semester:
Date: 15/06/2018		Date: 15/06/2022
Ref: MES/ACSC/ACA/ /		

Sr. No	Name of Faculty	Name of Subject	Year	Load		Project Work	Total Load	Sign of Faculty
				TH	PR			
1	Dr. Adamane S.L.	Management Accounting	2022-23	04			16	
		Financial Management		04				
		Research Methodology for Business		04				
		Organizational Behavior		04				
2	Mrs. Dhokane K.B.	Production & Operation Management	2022-23	04			16	
		Strategic Management		04				
		Business finance		04				
		H.R.M		04				

Head  
Department of Commerce,  
Mula Education Society's  
Art's, Commerce & Science College  
Sonai, Tal. Newasa, Dist. Ahmednagar, Pin-414105





Mula Education Society's  
**Arts, Commerce & Science College, Sonai.**

Department of Commerce

ACA – R-20	<b>Work Load Distribution UG B.Com. Division -A Grantable</b>	Academic Year: 2022-23
Rev : 00		Annual/Semester:
Date: 15/06/2018		Date: 15/06/2022
Ref: MES/ACSC/ACA/ /		

Sr. No	Name of Faculty	Class	Name of Subject	Year	Load		Project Work	Total Load	Sign of Faculty
					TH	PR			
1	Dr. Roundal S.R.	F.Y. B.Com	Business Mathematics and Statistics – I & II	2022-23	04			24	
		F.Y. B.Com	Banking and finance – I & II		04				
		S.Y. B.Com	Business Communication- I & II		04				
		S.Y. B.Com	Marketing Management I		04				
		T.Y. B.Com	Business Regulatory Framework – I & II		04				
		T.Y. B.Com	Marketing Management - II		04				
2	Dr. Adamane S.L.	F.Y. B.Com	Financial Accounting – I & II	2022-23	04			20	
		S.Y. B.Com	Banking and Finance – I & II		04				
		T.Y. B.Com	Banking and Finance –II		04				
		T.Y. B.Com	Auditing & Taxation – I & II		04				
		T.Y. B.Com	Marketing Management - III		04				
4	Dr. Sayyad L.R.	F.Y. B.Com	Marketing & Salesmanship – I & II	2022-23	04			20	
		S.Y. B.Com	Business Management – I & II		04				
		S.Y. B.Com	Elements of Company Law – I & II		04				
		T.Y. B.Com	Banking and Finance - III		04				
		T.Y. B.Com	Indian and Global Economic Development – I & II		04				
5	Dr. Varpe M.G.	F.Y.B.Com	Compulsory English – I & II	2022-23	04			04	
6	Prof. Jadhav T.B.	F.Y.B.Com	Marathi – I & II	2022-23	04			04	
7	Mrs. Dhokane K.B.	F.Y. B.Com	Business Economics- I & II	2022-23	04			16	
		S.Y. B.Com	Business Economics – I & II (Macro)		04				
		S.Y. B.Com	Corporate Accounting- II		04				
		T.Y. B.Com	Advanced Accounting – I & II		04				
8	Dr. Adamane S.L.	F.Y.B.Com	Add on - Computerized Accounting (Sem. I)	2022-23	1			1	
	Add on - Gender Sensitivity (Sem. II)	1							
9	Dr.Ranyewale	S.Y.B.Com	Add on Course (Environment Awareness) (2 Credit)		2			2	
10	Mr. Tambe Y.B.	S.Y.B.Com	COC / VAC						
11	Mr. Sayyad L.R.	T.Y.B.Com	COC / VAC						

Head  
Department of Commerce  
Mula Education Society's  
Art's Commerce & Science College, Sonai



Mula Education Society's  
**Arts, Commerce & Science College, Sonai**

Department of Commerce

Sr. No	Name of Faculty	Class	Name of Subject	Load		Total Load
				TH	PR	
1	Dr. Darandale S.R.	F.Y. B.Com	Marketing & Salesmanship	04		24
		S.Y. B.Com	Business Management - I	04		
		S.Y. B.Com	Elements of Company Law - I	04		
		T.Y. B.Com	Auditing & Taxation	04		
		T.Y. B.Com	Banking and Finance - II	04		
		T.Y. B.Com	Marketing Management III	04		
2	Dr. Roundal S.R.	F.Y. B.Com	Business Mathematics and Statistics - I	04		24
		F.Y. B.Com	Banking and finance	04		
		S.Y. B.Com	Business Communication- I	04		
		S.Y. B.Com	Marketing Management I	04		
		T.Y. B.Com	Business Regulatory Framework	04		
		T.Y. B.Com	Marketing Management - II	04		
3	Dr. Zine D.E.	T.Y. B.Com	Indian and Global Economic Development	04		04
4	Dr. Adamane S.L.	F.Y. B.Com	Financial Accounting - I	04		16
		S.Y. B.Com	Corporate Accounting- I	04		
		S.Y. B.Com	Banking and Finance I	04		
		T.Y. B.Com	Banking and Finance - III	04		
5	Dr. Varpe M.G.	F.Y.B.Com	Compulsory English	04		04
7	Prof. Jadhav T.B.	F.Y.B.Com	Marathi	04		04
8	Mrs. Dhokane K.B.	F.Y. B.Com	Business Economics- I	04		12
		S.Y. B.Com	Business Economics - I (Macro)	04		
		T.Y. B.Com	Advanced Accounting	04		
8	Mr. Adamane S.L.	F.Y.B.Com	Add on (Computerized Accounting)			
9	Dr. Ranyewale S.K.	S.Y.B.Com	Add on Course (Environment Awareness) (2 Credit)			
10	Mr. Tambe Y.B.	S.Y.B.Com	COC / VAC			
11	Mr. Sayyad L.R.	T.Y.B.Com	COC / VAC			

Suggested by:- Dr. D.E. Zine  
Seconded by: Dr. S.R. Darandale

Subject No. 3 - To sanction of the budget of Commerce Department.

Resolution No.3 - The Commerce Department Budget for the A.Y. 2022-23 was discussed and unanimously sanction the Budget.

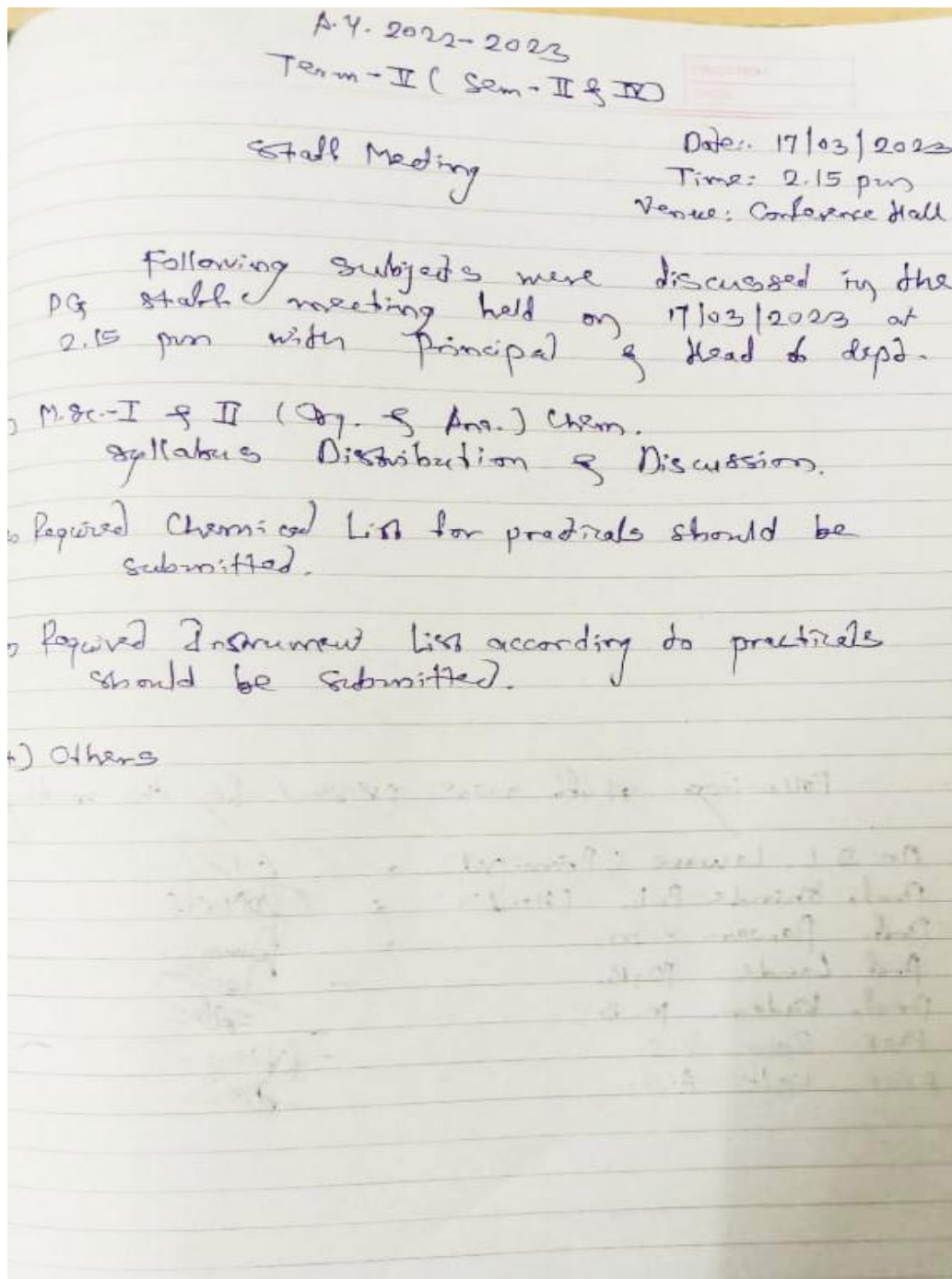
Suggested by :- Dr. S.R. Darandale  
Seconded by :- Dr. D.E. Zine

**Mula Education Society's  
Arts, Commerce & Science College, Sonai****Department of Commerce**

Sr. No	Name of Faculty	Class	Name of Subject	Load		Total Load
				TH	PR	
1	Dr. Darandale S.R.	F.Y. B.Com	Marketing & Salesmanship	04		24
		S.Y. B.Com	Business Management - I	04		
		S.Y. B.Com	Elements of Company Law- I	04		
		T.Y. B.Com	Auditing & Taxation	04		
		T.Y. B.Com	Banking and Finance - II	04		
		T.Y. B.Com	Marketing Management III	04		
2	Dr. Roundal S.R.	F.Y. B.Com	Business Mathematics and Statistics - I	04		24
		F.Y. B.Com	Banking and finance	04		
		S.Y. B.Com	Business Communication- I	04		
		S.Y. B.Com	Marketing Management I	04		
		T.Y. B.Com	Business Regulatory Framework	04		
		T.Y. B.Com	Marketing Management - II	04		
3	Dr. Zine D.E.	T.Y. B.Com	Indian and Global Economic Development	04		04
4	Dr. Adamane S.L.	F.Y. B.Com	Financial Accounting - I	04		16
		S.Y. B.Com	Corporate Accounting- I	04		
		S.Y. B.Com	Banking and Finance I	04		
		T.Y. B.Com	Banking and Finance - III	04		
5	Dr. Varpe M.G.	F.Y.B.Com	Compulsory English	04		04
7	Prof. Jadhav T.B.	F.Y.B.Com	Marathi	04		04
	Mrs. Dhokane K.B.	F.Y. B.Com	Business Economics- I	04		12
		S.Y. B.Com	Business Economics - I (Macro)	04		
		T.Y. B.Com	Advanced Accounting	04		
8	Mr. Adamane S.L.	F.Y.B.Com	Add on (Computerized Accounting)			
9	Dr. Ranyewale S.K.	S.Y.B.Com	Add on Course (Environment Awareness) (2 Credit)			
10	Mr. Tambe Y.B.	S.Y.B.Com	COC / VAC			
11	Mr. Sayyad L.R.	T.Y.B.Com	COC / VAC			

Suggested by:- Dr. D.E. Zine  
Seconded by: Dr. S.R. Darandale**Subject No. 3 - To sanction of the budget of Commerce Department.****Resolution No.3 - The Commerce Department Budget for the A.Y. 2022-23 was discussed and unanimously sanction the Budget.**Suggested by :- Dr. S.R. Darandale  
Seconded by :- Dr. D.E. Zine

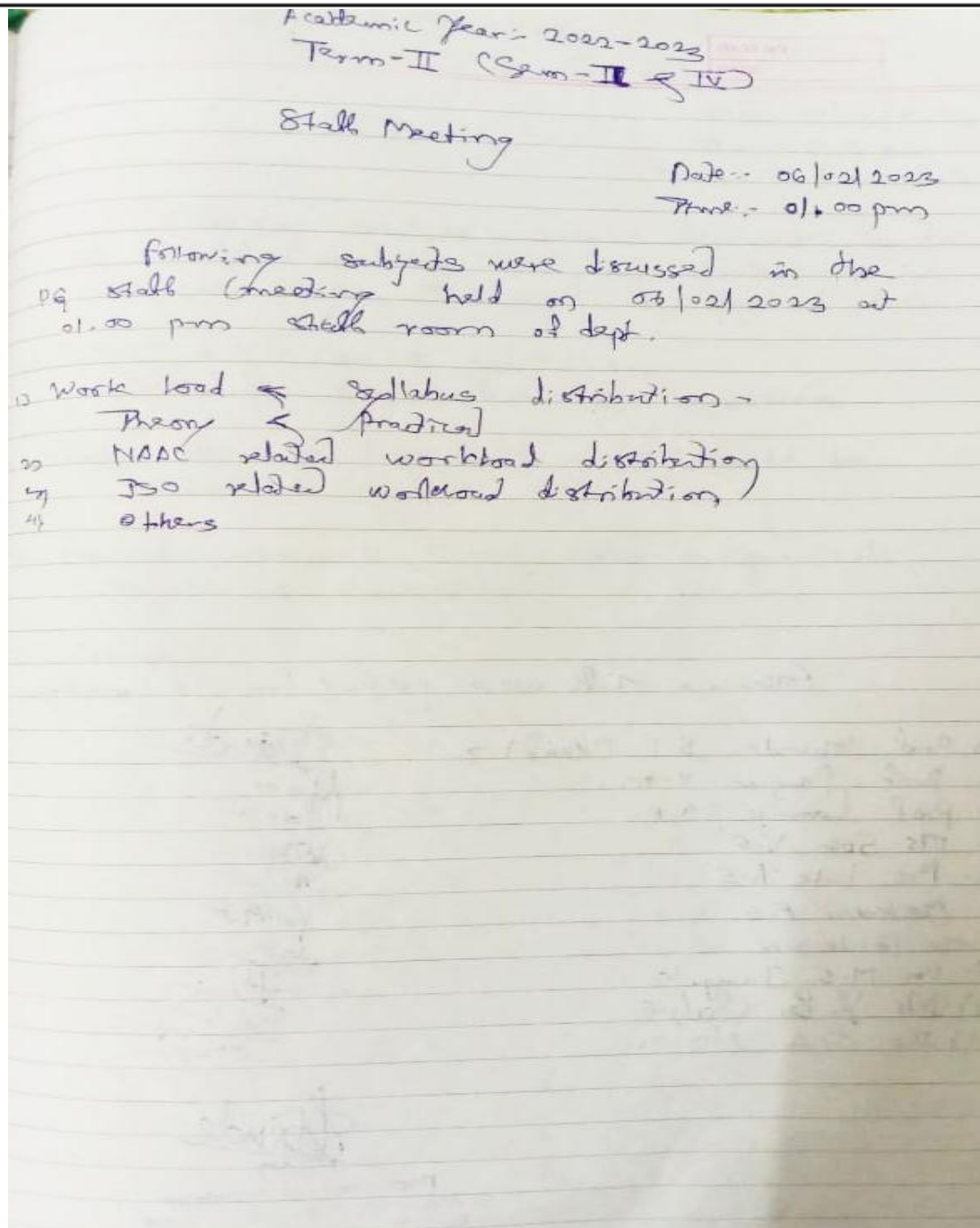
### 3. Department of Chemistry



Following staff were present for the meeting.

1) Prof. Shinde B.L. (Head)	
2) Prof. Pawar V.M.	
3) Prof. Lande M.B.	
4) Ms. Sose V.S.	
5) Ms. Kale A.S.	
6) Ms. Kank P.S.	
7) Ms. Tarde S.N.	
8) Mr. M.S. Jangale	
9) Mr. Y.B. Salunke	
10) Dr. S.A. Nagarkar	

**HEAD**  
Department of Chemistry  
Arts, Commerce and Science College  
Sonai, Tal. Newasa, Dist. Ahmednagar





Following staff were present for the meeting.

1) Prof. Bhide B.L (Head)	
2) Prof. Pawar V.M.	
3) Prof. Lande M.B.	
4) Ms. Sose V.S.	
5) Ms. Kale A.S.	
6) Ms. Kank P.S.	
7) Ms. Tarde S.N.	
8) Mr. M.S. Jangale	
9) Mr. Y.B. Sahal	
10) Dr. S.A. Najan	

HEAD  
Department of Chemistry  
Arts, Commerce and Science College  
Sonai, Tal. Newasa, Dist. Ahmednagar

**Mula Education Society's  
Arts, Commerce & Science College, Sonai.****Department of chemistry**

ACA – R-20

Rev : 00

Date: 15/06/2018

**Work Load Distribution UG  
Grant and Non Grant**

Academic Year: 2022-23

Semester: I/III/V

Ref: MES/ACSC/ACA/ /

Date: 01.10.2022

Sr. No	Name of Faculty	Name of Subject	Year	Load		Project Work	Total Load
				TH	PR		
1.	Prof. B.L. Shinde	Analytical Chemistry	T.Y. B.Sc.	03	-		24
		Industrial Chemistry	T.Y. B.Sc.	03	-		
		Physical & Analytical Chemistry	S.Y. B.Sc.	03	-		
		Practical Chemistry	S.Y. B.Sc.	-	15		
2.	Prof. S.A. Najan	Physical Chemistry	T.Y. B.Sc.	03	-		24
		Environmental Chemistry	T.Y. B.Sc.	03	-		
		Physical Chemistry	F.Y. B.Sc.	03	-		
		Physical Practical	T.Y. B.Sc.	-	15		
3.	Prof. M.S. Jangale	Polymer Chemistry	T.Y. B.Sc.	03	-		24
		Organic Chemistry Practical	T.Y. B.Sc.	03	15		
		Organic Chemistry	F.Y. B.Sc.	03	-		
4.	Prof. Y.B. Salve	Inorganic Chemistry Practical	T.Y. B.Sc.	03	15		24
		Chemistry of biomolecules	T.Y. B.Sc.	03	-		
		Inorganic & Organic Chemistry	S.Y. B.Sc.	03	-		
5.	Prof. V. M. Pawar	Practical	F.Y. B.Sc.	-	8		8
6.	Prof. M.B. Lande	Practical	F.Y. B.Sc.	-	8		8
7.	Prof. M.B. Kadam	Practical	F.Y. B.Sc.	-	8		8
8.	Prof. P.D. Kardile	Practical	F.Y. B.Sc.	-	8		13
		Practical	S.Y.B.Sc.	-	5		





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**ARTS, COMMERCE AND SCIENCE COLLEGE, SONAI**

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Mula Education Society's  
**Arts, Commerce & Science College, Sonai.**

Department of chemistry

9.	Prof. S.V. Sose	Organic Chemistry Practical	T.Y. B.Sc.	03	15		15	
10.	Prof. A.S. Kale	Physical Practical	T.Y. B.Sc.	-	15		15	
11.	Prof. P.S. Kank	Inorganic Chemistry Practical	T.Y. B.Sc.	03	15		15	

Head  
Department of Chemistry  
Arts, Commerce & Science  
College, Sonai, Tal. Newasa,  
Dist. Ahmednagar - 414105

Mula Education Society's  
**Arts, Commerce & Science College, Sonai.**

Department of chemistry

ACA – R-20

Rev : 00

Date: 15/06/2018

**Work Load Distribution UG  
Grant and Non Grant**

Academic Year: 2022-23

Semester: II/IV/VI

Ref: MES/ACSC/ACA/ /

Date: 30.01.2023

Sr. No	Name of Faculty	Name of Subject	Year	Load		Project Work	Total Load
				TH	PR		
1.	Prof. B.L. Shinde	Analytical Chemistry- II	T.Y. B.Sc.	03	-		24
		Chemistry of Soil & Agrochemicals	T.Y. B.Sc.	03	-		
		Analytical Chemistry	F.Y. B.Sc.	03	-		
		Practical Chemistry	S.Y. B.Sc.	-	15		
2.	Prof. S.A. Najan	Physical Chemistry -II	T.Y. B.Sc.	03	-		24
		Physical Chemistry -III	T.Y. B.Sc.	03	-		
		Physical & Analytical Chemistry	S.Y. B.Sc.	03	-		
		Physical Practical	T.Y. B.Sc.	-	15		
3.	Prof. M.S. Jangale	Organic Chemistry-II	T.Y. B.Sc.	03	-		24
		Organic Chemistry Practical	T.Y. B.Sc.	03	15		
		Inorganic Chemistry	F.Y. B.Sc.	03	-		
		Organic Chemistry-III	T.Y. B.Sc.	03	-		
4.	Prof. Y.B. Salve	Inorganic Chemistry Practical	T.Y. B.Sc.	03	15		24
		Inorganic Chemistry - II	T.Y. B.Sc.	03	-		
		Inorganic Chemistry - III	T.Y. B.Sc.	03	-		
		Inorganic & Organic Chemistry	S.Y. B.Sc.	03	-		



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Mula Education Society's  
**Arts, Commerce & Science College, Sonai.**

Department of chemistry

5.	Prof. V. M. Pawar	Practical	F.Y. B.Sc.	-	8		8	
6.	Prof. M.B. Lande	Practical	F.Y. B.Sc.	-	8		8	<i>Lande</i>
7.	Prof. M.B. Kadam	Practical	F.Y. B.Sc.	-	8		8	
8.	Prof. P.D. Kardile	Practical	F.Y. B.Sc.	-	8		13	<i>P.D.</i>
		Practical	S.Y.B.Sc.	-	5			
9.	Prof. S.V. Sose	Organic Chemistry Practical	T.Y. B.Sc.	03	15		15	
10.	Prof. A.S. Kale	Physical Practical	T.Y. B.Sc.	-	15		15	
11.	Prof. P.S. Kank	Inorganic Chemistry Practical	T.Y. B.Sc.	03	15		15	

*Lande*

Head  
Department of Chemistry  
Arts, Commerce & Science  
College, Sonai Tal. Newasa,  
Dist. Ahmednagar - 414105



Ph.: 02427-231384 Email: sonaicollege@yahoo.co.in, mesacsccollege@gmail.com Website: www.acssonaicollege.com

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Mula Education Society's  
Arts, Commerce & Science College, Sonai  
Department of Chemistry (P.G.)

ACA – R- 22

Rev : 00

Date: 15/06/2018

Ref: Ref: MES/ACSC/ACA/

## DEPARTMENTAL TIME TABLE (P.G.) THEORY

## M.Sc.-I &amp; II [Organic &amp; Analytical] Chemistry

Academic Year: 2022-23(Term – I)

Semester: I / III

Date: 01 / 08 / 2022

Time	Class	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1.30pm To 2.30pm	M.Sc.-I	CHP-110 KAS	CHI-130(I) KPD	CHO-150 (I) HSK	CHO-150 (I) HSK	CHI-130(II) XYZ	CHI-130(I) KPD
	M.Sc.-II (Organic Chemistry)	CHO-353(A) II KPS	CHO-350 SVS	CHO-353(A) II KPS	CHO-351(I) PPS	CHO-352 PVM	CHO-351(I) PPS
	M.Sc.- II (Analytical Chemistry)	CHA-391 KMB	CHA-391 KMB	CHA-392 TSN	CHA-393(A) I LMB	CHA-390 LMB	CHA-393(A) I LMB
2.30pm To 3.30pm	M.Sc.-I	CHO-150(II) ABC	CHO-150(II) ABC	CHA-190(I)(C) KAS	CHP-110 KAS	CHA-190(I)(C) KAS	CHI-130(II) XYZ
	M.Sc.-II (Organic Chemistry)	CHO-350 SVS	CHO-352 PVM	CHO-350 SVS	CHO-353(A) I XYZ	CHO-350 SVS	CHO-352 PVM
	M.Sc.- II (Analytical Chemistry)	CHA-390 LMB	CHA-392 TSN	CHA-390 LMB	CHA-391 KMB	CHA-393(A) II KMB	CHA-392 TSN
3.30pm To 3.40pm	SHORT RECESS						
3.40pm To 4.40pm	M.Sc.-I	--	CHP-110 KAS	--	Human Rights-I KAS	Cyber Security-I HSK	CHP-110 KAS
	M.Sc.-II (Organic Chemistry)	CHO-351(II) KPD	CHO-353(A) I XYZ	Cyber Security-III/ Intro.to Constitution PVM/KPD	CHO-352 PVM	CHO-351(II) KPD	Skill Development-I SVS
	M.Sc.- II (Analytical Chemistry)	CHA-393(A) II KMB	CHA-390 LMB	Cyber Security-III/ Intro.to Constitution KMB/TSN	CHA-392 TSN	CHA-391 KMB	Skill Development-I LMB

1. PAWAR V M (PVM) 2. KARDILE P D (KPD) 3. SOSE V S (SVS) 4. HARKAL S K (HSK) 5. PAWAR P S (PPS) 6. KANK P S (KPS) 7. XYZ 8. ABC  
8. LANDE M B (LMB) 9. KADAM M B (KMB) 10. KALE A S (KAS) 11. TARDE S N (TSN)

**HEAD**

Department of Chemistry  
Arts, Commerce and Science College  
Sonai, Tal. Newasa, Dist. Ahmednagar

Principal  
Mula Education Society's  
Arts, Commerce & Science College  
Sonai, Tal. Newasa, Dist. Ahmednagar (M), Pin-414105



Mula Education Society's  
Arts, Commerce & Science College, Sonai  
Department of Chemistry (P.G.)

ACA – R- 22

Rev : 00

Date: 15/06/2018

Ref: Ref: MES/ACSC/ACA/ /

Academic Year: 2022-23. (Term –I)

Semester: I & III

**DEPARTMENTAL TIME TABLE (P.G.) PRACTICAL**  
**M.Sc.-I & II [Organic & Analytical] Chemistry**

Date: 01/08 / 2022

Time	Class Lab. No.	Monday			Tuesday			Wednesday			Thursday			Friday			Saturday						
		UG Lab 2	PG Lab 5	PG Lab 3	UG Lab 2	PG Lab 5	PG Lab 3	UG Lab 2	PG Lab 5	PG Lab 3	UG Lab 2	PG Lab 5	PG Lab 3	UG Lab 2	PG Lab 5	PG Lab 3	UG Lab 2	PG Lab 5	PG Lab 3				
08:30 am to 12:30 pm	M.Sc.-I (Organic & Analytical) Chemistry										C+D [CHG- 190(II)] PPS (C) & KPS (D)				A+B [CHG- 190 (II)] PPS (A) & KPD(B)				E+F [CHG- 190(II)] PPS (E) & KPS(F)				
		E+F [CHP- 107(I)] TSN (E) & XYZ (F)			C+D [CHP- 107(I)] TSN (C) &XYZ (D)			A+B [CHP- 107(I)] TSN (A) & KMB (B)			E+F [CHP- 107(II)] ABC (E) &HSK(F)			C+D [CHP- 107(II)] ABC (C) & HSK (D)			A+B [CHP- 107(II)] ABC (A) & PVM(B)						
	M.Sc.-II Organic Chemistry		[CHO- 354] HSK (A)			[CHO- 354] SVS (B)		[CHO-354] ABC (D)		[CHO-354] PVM (C)													
	M.Sc.-II Analytical Chemistry				[CHA- 394] LMB (D)						[CHA- 394] TSN (C)				[CHA- 394] LMB (A)					[CHA- 394] KMB (B)			

1. PAWAR V M (PVM)  
8. LANDE M B (LMB)

2. KARDILE P D (KPD)  
9. KADAM M B (KMB)

3. SOSE V S (SVS)  
10. KALE A S (KAS)

4. HARKAL S K (HSK)  
11. TARDE S N (TSN)

5. PAWAR P S (PPS) 6. KANK P S (KPS) 7. XYZ 8. ABC

LATCHES: M.Sc.-I (Organic Chemistry): Batch A = 1-17, Batch B = 18-34, Batch C = 35-52.  
M.Sc.-II (Organic Chemistry): Batch A = 1-13, Batch B = 14-26, Batch C = 27-39, Batch D = 40-52

M.Sc.-I (Analytical Chemistry): Batch D = 1-17, Batch E = 18-34, Batch F = 35-52.  
M.Sc.-II (Analytical Chemistry): Batch A = 1-12, Batch B = 13-24, Batch C = 25-36, Batch D = 37-48

*Handwritten signature*  
HEAD

Department of Chemistry  
Arts, Commerce and Science College  
Sonai, Tal. Newasa, Dist. Ahmednagar

*Handwritten signature*  
Principal

Mula Education Society's  
Arts, Commerce & Science College  
Sonai, Tal. Newasa, Dist. Ahmednagar (M). Pin-414105



ACA – R- 22

## DEPARTMENTAL TIME TABLE (P.G.) THEORY

Academic Year: 2022-23 (Term - II)

Rev : 00

M.Sc.-I &amp; II [Organic &amp; Analytical] Chemistry

Semester: II &amp; IV

Date: 15/06/2018

Ref: Ref: MES/ACSC/ACA/ /

Date: 10 / 02 / 2023

Time	Class	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1.30pm To 2.30pm	M.Sc.-I	CHG – 290 C (I) KAS	CHO-250 (II) KPD	CHP-210 KAS	CHP-210 KAS	CHP-210 KAS	CHI-230 KPD
	M.Sc.-II (Organic Chemistry)	CHO-451 SVS	CHO-450 PVM	CHO-452 A KPS	CHO-450 PVM	CHO-452 A KPS	CHO-451 SVS
	M.Sc.- II (Analytical Chemistry)	CHA-491 KMB	CHA-490 LMB	CHA-492 A TSN	CHA-492 A TSN	CHA-491 KMB	CHA-490 LMB
2.30pm To 3.30pm	M.Sc.-I	CHO-250 (II) KPD	CHG – 290 C (I) KAS	CHO-250 (I) ABC	CHI-230 KPD	CHI-230 KPD	CHP-210 KAS
	M.Sc.-II (Organic Chemistry)	CHO-452 A KPS	CHO-451 SVS	CHO-451 SVS	CHO-452 A KPS	CHO-450 PVM	CHO-450 PVM
	M.Sc.- II (Analytical Chemistry)	CHA-490 LMB	CHA-492 A TSN	CHA-490 LMB	Cyber Security-IV KMB	Skill Development-II LMB	CHA-491 KMB
3.30pm To 3.40pm	<b>SHORT RECESS</b>						
3.40pm To 4.40pm	M.Sc.-I	CHO-250 (I) ABC	Human Rights-II KAS/XYZ	--	--	CHI-230 KPD	Cyber Security-II KPS/ABC
	M.Sc.-II (Organic Chemistry)	--	--	Cyber Security-IV PVM	--	Skill Development-II SVS	--
	M.Sc.- II (Analytical Chemistry)	--	--	CHA-491 KMB	--	--	CHA-492 A TSN

1. Prof. Pawar V.M. (PVM)  
5. Prof.Miss.Sose V.S. (SV)2. Prof.Smt.LandeM.B. (LMB)  
6. Prof.Miss.Kale A.S. (KAS)3. Prof.Smt.Kadam M.B. (KMB)  
7. Prof.Miss.Kank P.S. (KPS)4. Prof.Kardile P.D. (KPD)  
8. Prof.Miss.Tarde S.N. (TSN)**HEAD**Department of Chemistry  
Arts, Commerce and Science College  
Newasa, Dist. AhmednagarVice-Principal  
Mula Education Society's  
Arts, Commerce & Science College  
Tal. Newasa, Dist. Ahmednagar Pin-414105**PRINCIPAL**Mula Education Society's  
Arts, Commerce & Science College, Sonai  
Tal. Newasa, Dist. Ahmednagar Pin 414105



Mula Education Society's Arts, Commerce & Science College, Sonai Department of Chemistry (P.G.)

Academic Year: 2022-23 (Term - II)

ACA – R- 22 Rev : 00 Date: 15/06/2018

DEPARTMENTAL TIME TABLE (P.G.) PRACTICAL M.Sc.-I & II [Organic & Analytical] Chemistry

Semester: II & IV

Date: 10 / 02 / 2023

Table with columns for Time, Class, and days (Monday to Saturday) showing lab schedules for M.Sc.-I Organic Chemistry, M.Sc.-I Analytical Chemistry, M.Sc.-II Organic Chemistry, and M.Sc.-II Analytical Chemistry.

- 1. Prof. Pawar V.M. (PVM) 2. Prof.Smt.LandeM.B. (LMB) 3. Prof.Smt.Kadam M.B. (KMB) 4. Prof.Kardile P.D. (KPD) 5. Prof.Miss.Sose V.S. (SV) 6. Prof.Miss.Kale A.S. (KAS) 7. Prof.Miss.Kank P.S. (KPS) 8. Prof.Miss.Tarde S.N. (TSN)

BATCHES: M.Sc.-I (Organic Chemistry): Batch A = 1-16, Batch B = 17-32, Batch C = 33-48. M.Sc.-I (Analytical Chemistry): Batch D = 1-16, Batch E = 17-32, Batch F = 34-48. M.Sc.-II (Organic Chemistry): Batch A = 1-13, Batch B = 14-26, Batch C = 27-39, Batch D = 40-49. M.Sc.-II (Analytical Chemistry): Batch A = 1-13, Batch B = 14-26, Batch C = 27-39, Batch D = 40-52.

Signature of Head, Department of Chemistry, Arts, Commerce and Science College, Tal. Newasa, Dist. Ahmednagar

Signature of Vice-Principal, Mula Education Society's Arts, Commerce & Science College, Tal. Newasa, Dist. Ahmednagar

Signature of Principal, Mula Education Society's Arts, Commerce & Science College, Sonai, Tal. Newasa, Dist. Ahmednagar



Date: 29/07/2022

**CHEMISTRY (P.G.) SUBJECTS NAMES AND Load Distribution (PG)  
(Term-I)  
FOR ACADEMIC YEAR 2022-2023**

Degree	Class	Semester	Course Code	Name of Subjects	Section/Batch	Workload	Faculty	Remark
M.Sc.	M. Sc. Part-I (Organic & Analytical Chemistry) (CBCS) (REV.2019) Implemented from Academic Year 2019-2020	Semester-I	CCTP-1 CHP-110	Physical Chemistry-I (Fundamentals of Physical Chemistry)	S-I	02	KAS	
					S-II	02	KAS	
			CCTP-2 CHI-130	Inorganic Chemistry-I (Molecular Symmetry and Chemistry of Main Group Elements)	S-I	02	KPD	
					S-II	02	IVP	
			CCTP-3 CHO-150	Organic Chemistry-I (Basic Organic Chemistry)	S-I	02	HSK	
					S-II	02	HSK	KJR
			CBOP-1 CHG-190	Section-I: General Chemistry-I, Theory Course (Any one option) Elective Option-C: Introduction to Chemical Biology-I	S-I	02	KAS	
					01 Batch (A) x 04	04	PDS	
					01 Batch (B) x 04	04	KPD	
					01 Batch (C) x 04	04	PDS	
					01 Batch (D) x 04	04	PDS	KDS
					01 Batch (E) x 04	04	PDS	
01 Batch (F) x 04	04	PDS						
Section-II: General Chemistry Practical (Any one) Elective Option-A: Inorganic Chemistry-Material Analysis, Synthesis and Applications								





		Sec-I:							
		Physical Chemistry Practical							
CCPP-1 CHP-107	Basic Practical Chemistry-I	01 Batch (A) x 04	04	TSN			<i>[Signature]</i>		
		01 Batch (B) x 04	04	KMB					
		01 Batch (C) x 04	04	TSN			<i>[Signature]</i>		
		01 Batch (D) x 04	04	MOR	JVP				
		01 Batch (E) x 04	04	TSN			<i>[Signature]</i>		
		01 Batch (F) x 04	04	MOR			<i>[Signature]</i>		
				Sec-II:					
				Organic Chemistry					
				01 Batch (A) x 04	04	HSK			<i>[Signature]</i>
				01 Batch (B) x 04	04	PVM			<i>[Signature]</i>
				01 Batch (C) x 04	04	<del>HSK</del>	KJR		
				01 Batch (D) x 04	04	HSK			<i>[Signature]</i>
		01 Batch (E) x 04	04	<del>HSK</del>	<del>HSK</del> KJR				
		01 Batch (F) x 04	04	<del>HSK</del>	KJR				
	Cyber Security-I	--	01	HSK			<i>[Signature]</i>		
	Human Rights-I	--	01	KAS			<i>[Signature]</i>		
		<b>TOTAL=</b>							

*[Signature]*  
 Head  
 Department of Chemistry  
 Arts, Commerce & Science  
 College, Sonai, Tal. Newasa,  
 Dist. Ahmednagar - 414105



Date: 23/07/2022

Class	Semester	Course Code	Name of Subjects	Section/Batch	Workload	Faculty	Remark
M. Sc. Part-II (Organic Chemistry) New Course CBCS (2019 Pattern) Implemented from Academic Year 2020-2021	Semester-III	CCTP-7 CHO-350	Organic Reaction Mechanism and Biogenesis	S-I & S-II	04	SVS	<i>[Signature]</i>
		CCTP-8 CHO-351	Structure Determination of Organic Compounds by Spectroscopic Methods	S-I & S-II	04	S-I PDS S-II KPD	<i>[Signature]</i>
		CCTP-9 CHO-352	Stereochemistry and Asymmetric Synthesis of Organic Compounds.	S-I & S-II	04	PVM	<i>[Signature]</i>
		CBOP-3 CHO-353 Theory	CHO-353-A) Protection - De-protection, Chiron approach and Carbohydrate Chemistry	S-I & S-II	04	JVP KPS	<i>[Signature]</i>
		CCPP-3 CHO-354	Practical I: Solvent Free Organic Synthesis	01 Batch (A) x 04	04	HSK	<i>[Signature]</i>
				01 Batch (B) x 04	04	SVS	<i>[Signature]</i>
				01 Batch (C) x 04	04	PVM	<i>[Signature]</i>
				01 Batch (D) x 04	04	KJR	<i>[Signature]</i>
				01 Batch (E) x 04	04		
				01 Batch (F) x 04	04		
			Cyber Security-III	--	01	PVM	<i>[Signature]</i>
	Skill Development-I	--	01	SVS	<i>[Signature]</i>		
	Introduction to Constitution	--	01	KPD	<i>[Signature]</i>		
			<b>TOTAL=</b>				

*[Signature]*

Head  
Department of Chemistry  
Arts, Commerce & Science  
College, Sonai, Tal. Newasa,  
Dist. Ahmednagar - 414105



Date: 28/07/2022

Class	Semester	Course Code	Name of Subjects	Section/Batch	Workload	Faculty	Remark
M. Sc. Part-II (Analytical Chemistry) New Course CBCS (2019 Pattern) Implemented from Academic Year 2020-2021	Semester- III	CCTP-7 CHA-390	Electrochemical and Thermogravimetric Methods of chemical analysis	S-I & S-II	04	LMB	Done
		CCTP-8 CHA-391	Analytical Method Development and Extraction Techniques	S-I & S-II	04	HGM KMB	
		CCTP-9 CHA-392	Advanced Chromatographic Methods of Chemical Analysis	S-I & S-II	04	TSN	Done
		CBOP-3 Theory CHA-393	CBOP-3, CHA-393: A) Bioanalytical Chemistry	S-I & S-II	04	S-I LMB S-II KMB	Done
		CCPP-3 CHA-394	Practical I: Basics of Instrumental Methods of Chemical Analysis	01 Batch (A) x 04	04	KMB	Done
				01 Batch (B) x 04	04	KMB	
				01 Batch (C) x 04	04	TSN	Done
				01 Batch (D) x 04	04	LMB	Done
				01 Batch (E) x 04	04		
				01 Batch (F) x 04	04		
	Cyber Security-III	--	01	KMB			
	Skill Development-I	--	01	LMB	Done		
	Introduction to Constitution	--	01	TSN	Done		
			<b>TOTAL=</b>				

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Head,  
Department of Chemistry  
& Instrumental Analysis  
College, Sonai, Tal. Newasa,  
Dist. Ahmednagar - 414105



4. Time table

1. Department of History

Mula Education Society's  
Arts, Commerce & Science College, Sonai.  
Department of History

ACA – R- 22  
Rev : 00  
Date:

Departmental Timetable 2022-23  
M.A.

Academic Year: 2022-23  
Semester: I / III

Sr. no	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	1.00 pm to 2.00 pm	History :Theory & Method	History :Theory & Method	History :Theory & Method	Evo. of Ideas & Institution in Early India	Evo. of Ideas & Institution in Early India	Evo. of Ideas & Institution in Early India
		Intellectual History Of The Modern World	Intellectual History Of The Modern World	Intellectual History Of The Modern World	Economic History of Modern India	Economic History of Modern India	Economic History of Modern India
2	2.00 to 3.00 pm	Maratha polity	Maratha polity	Maratha polity	Social Background of the Dalit Movement in Maharashtra	Social Background of the Dalit Movement in Maharashtra	Social Background of the Dalit Movement in Maharashtra
		Cultural history of Maharashtra	Cultural history of Maharashtra	Cultural history of Maharashtra	East Asia :Japan (1853-2000)	East Asia :Japan (1853-2000)	East Asia :Japan (1853-2000)
3.00 pm to 3.10 pm Short – recess							
3	3.10 pm to 4.10 pm	History :Theory & Method	Evo. of Ideas & Institution in Early India	Cyber Security-I	Maratha polity	Social Background of the Dalit Movement in Maharashtra	Human rights - I
		Intellectual History Of The Modern World	Economic History of Modern India	East Asia :Japan (1853-2000)	Cyber Security-III	Skill development I	Cultural history of Maharashtra
4	4.10 to 5.10 pm	Introduction to Constitution	Introduction to Constitution	-	-	-	-

M.A. – I Part Sem- I Lecture Hall NO. – 41  
M.A. – II Part Sem- III Lecture Hall NO. – 18  
Dr. Darade. S.S - Maratha Polity, , Intellectual History Of The Modern World  
Dr. Sonawane. J. C. - Social Background of the Dalit Movement in Maharashtra, Economic History of Modern India, Cyber Security-I, Cyber Security-III  
Mr. Padar. D. B.- Evo.of Ideas & Institution in Early India, History :Theory & Method , Cultural history of Maharashtra, East Asia :Japan (1853-2000), Human rights - I, Skill development I, Introduction to Constitution.

*[Signature]*  
HOD

*[Signature]*  
Vice Principal  
Mula Education Society's  
Arts, Commerce & Science College, Sonai  
Tal. Newasa, Dist. Ahmednagar Pin 414105

*[Signature]*  
Principal  
Mula Education Society's  
Arts, Commerce & Science College  
Sonai, Tal. Newasa, Dist. A' Nagar



2. Department of Commerce



Mula Education Society's Arts, Commerce & Science College, Sonai.

Department of Commerce (UG)

ACA – R- 21	<b>Master Time Table</b> (Master Time Table, Faculty wise for Theory & Practical )	Academic Year: 2022-23
Rev : 00		Semester: I /III
Date: 15.06.2018		

Ref: Ref: MES/ACSC/ACA /

Date:

Sr.No	Time	Class	Room No.	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1.	8.00 am to 8.50 am	FYBCom	31	Marketing	Marketing	Marketing	Marathi	Marathi	Marathi
		SYBCom	32/12	B.C	B.C	B.C	Bank/Mar-I	Bank/Mar-I	Bank/Mar-I
		TYBCom	35	A/c	A/c	A/c	Aud & Tax	Aud & Tax	Aud & Tax
2.	8.50 am to 9.40 am	FYBCom	31	F. English	F. English	F.English	Fin.A/C	Fin.A/C	Fin.A/C
		SYBCom	32	C. Law	C. Law	C.Law	B.M.	B.M.	B.M.
		TYBCom	35/12	Ind. Eco	Ind.Eco	Ind.Eco	BRF	BRF	BRF
	9.40 a.m. to 9.50 am	SHORT- RECESS							
3.	9.50 am to 10.40 am	FYBCom	31	Bus.Eco	Bus. Eco	Bus.Eco	Math & Stat	Math & Stat	Math & Stat
		SYBCom	32	Corporate. A/C	Corporate. A/C	Corporate.A/C	Bus.Eco	Bus.Eco	Bus.Eco
		TYBCom	35/12	Bank/Mar-II	Bank/Mar-II	Bank/Mar-II	Bank/Mar-III	Bank/Mar-III	Bank/Mar-III
4.	10.40 am to 11.30 am	FYBCom	31	Banking	Banking	Banking	Marathi	VAC	B.Eco
		SYBCom	32	C.Law	B.Eco	Corporate.A/C	B.C.	Bank/Mar-I	B.M.
		TYBCom	35/12	A/c	Bank-II	I.Eco	Bank/Mar-III	Aud & Tax	B.R.F.
5.	11.30 am to 12.20 pm	FYBCom	31	Marketing	AOC	AOC	Banking	Math & Stat	Fin. A/c
		SYBCom	32	AECC Env. A (AOC)	AECC Env. A (AOC)	-	-	AOC	VAC
		T.Y.B.Com	35	-	Marketing-II	AOC	VAC	-	-
6.	12.20 pm to 1.10 pm	F.Y.B.Com		-	COC	Democracy, Election and Governance	-	F.English	--

S. Bhandari  
In charge

Vice Principal  
Mula Education Society's  
Arts, Commerce & Science College  
Sonai, Tal. Newasa, Dist. Ahmednagar, Pin-414105

Principal  
Mula Education Society's  
Arts, Commerce & Science College, Sonai  
Tal. Newasa, Dist. Ahmednagar Pin 414105



## 3. Department of Chemistry

Mula Education Society's  
Arts, Commerce & Science College, Sonai  
Department of Chemistry (P.G.)

ACA – R- 22

Rev : 00

Date: 15/06/2018

## DEPARTMENTAL TIME TABLE (P.G.) THEORY

Academic Year: 2022-23 (Term - II)

## M.Sc.-I &amp; II [Organic &amp; Analytical] Chemistry

Semester: II &amp; IV

Ref Ref: MES/ACSC/ACA/ /

Date: 10 / 02 / 2023

Time	Class	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1.30pm To 2.30pm	M.Sc.-I	CHG – 290 C (I) KAS	CHO-250 (II) KPD	CHP-210 KAS	CHP-210 KAS	CHP-210 KAS	CHI-230 KPD
	M.Sc.-II (Organic Chemistry)	CHO-451 SVS	CHO-450 PVM	CHO-452 A KPS	CHO-450 PVM	CHO-452 A KPS	CHO-451 SVS
	M.Sc.- II (Analytical Chemistry)	CHA-491 KMB	CHA-490 LMB	CHA-492 A TSN	CHA-492 A TSN	CHA-491 KMB	CHA-490 LMB
2.30pm To 3.30pm	M.Sc.-I	CHO-250 (II) KPD	CHG – 290 C (I) KAS	CHO-250 (I) ABC	CHI-230 KPD	CHI-230 KPD	CHP-210 KAS
	M.Sc.-II (Organic Chemistry)	CHO-452 A KPS	CHO-451 SVS	CHO-451 SVS	CHO-452 A KPS	CHO-450 PVM	CHO-450 PVM
	M.Sc.- II (Analytical Chemistry)	CHA-490 LMB	CHA-492 A TSN	CHA-490 LMB	Cyber Security-IV KMB	Skill Development-II LMB	CHA-491 KMB
3.30pm To 3.40pm	<b>SHORT RECESS</b>						
3.40pm To 4.40pm	M.Sc.-I	CHO-250 (I) ABC	Human Rights-II KAS/XYZ	--	--	CHI-230 KPD	Cyber Security-II KPS/ABC
	M.Sc.-II (Organic Chemistry)	--	--	Cyber Security-IV PVM	--	Skill Development-II SVS	--
	M.Sc.- II (Analytical Chemistry)	--	--	CHA-491 KMB	--	--	CHA-492 A TSN

M.Sc. – I Classroom No. 36

M.Sc. – II Organic Chemistry - Classroom No. 38

M.Sc. - II Analytical Chemistry - Classroom No.39

1. Prof. Pawar V.M. (PVM).  
5. Prof.Miss.Sose V.S. (SV)2. Prof.Smt.LandeM.B. (LMB)  
6. Prof.Miss.Kale A.S. (KAS)3. Prof.Smt.Kadam M.B. (KMB)  
7.Prof.Miss.Kank P.S. (KPS)4.Prof.Kardile P.D. (KPD)  
8.Prof.Miss.Tarde S.N. (TSN)

HEAD

Vice Principal  
Mula Education Society's  
Arts, Commerce & Science College, Sonai  
Tal. Newasa, Dist. Ahmednagar Pin 414105Principal  
Mula Education Society's  
Arts, Commerce and Science College  
Sonai, Tal. Newasa, Dist. Ahmednagar



Mula Education Society's

**ARTS, COMMERCE AND SCIENCE COLLEGE, SONAI**

Tal. Newasa, Dist- Ahmednagar – 414105



Ph.: 02427-231384 Email: sonaicollege@yahoo.co.in, mesacscollege@gmail.com Website: www.acssonaicollege.com

Affiliated to Savitribai Phule Pune University, Pune (I.D.PU/AN/ASC/03/1/1989)

NAAC Re-accredited with 'A' Grade, DBT Star College Scheme, ISO 9001: 2015 Certified, AISHE Code – C-42096

## 5. Teacher's Diary- Teaching Plan, Curriculum completion report

### Sample Teaching Plan Dept. Chemistry

ACA-D-01

Rev.: 00 Date: 15.06.2018

ISO 9001:2015

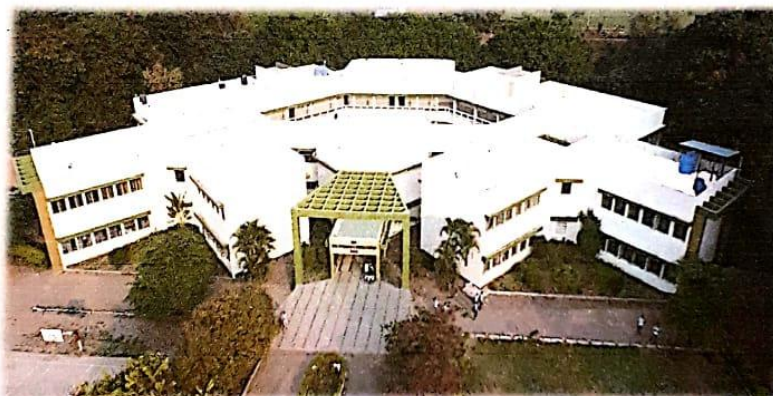
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*MULA EDUCATION SOCIETY'S*

**ARTS, COMMERCE & SCIENCE COLLEGE, SONAI**

TAL- NEWASA, DIST- AHMEDNAGAR



## TEACHER DIARY

Academic Year – 2022-23

Name of Teacher : Kank Pratiksha Sanjay

Designation : Assistant Professor

Department : Chemistry

ACA- B-08		Teaching Plan and Implementation Record		Academic Year: 2022-23	
Rev: 08		Annual		Annual	
Date: 15/06/2018					
Class: M.Sc.-II		Subject: Organic Chemistry		Course No.: CH0-3F3(A)	
Topics & Total lectures allotted		Conduction Date	Methodology used	Remark	
Month	Topic and Sub-topic	Period allotted			
Nov.	8) Chair			03/11/22	
(11)	9) The structure of glucose,				
	10) The anomeric configuration			07/11/22	
	11) Mutarotation.			08/11/22	
	12) Conformations of monosaccharide			10/11/22	
	13) Anomeric effect.		Chalk Talk	14/11/22	
	2) Synthesis of Glycosides		P.P.T		
	1) Glycosyl donor			15/11/22	
	2) Glycosyl Acceptor concept.				
	3) General methods for glycosyl bond formation.			16/11/22	
	4) Glycosyl halide			28/11/22	
	5) Glycosyl bromide			29/11/22	
	6) Glycosyl fluoride			30/11/22	
(Dec)	7) Glycosyl Iodide				
(12)	8) Glycosyl chloride			01/12/22	
	9) Trichloroacetinides.				
	10) Glycols and glycol derivatives.			02/12/22	
	11) Thioglycosides.				
	12) phosphites.				

Page 65 of 107



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Tal. Newasa, Dist. Ahmednagar, Pune-414105





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**ARTS, COMMERCE AND SCIENCE COLLEGE, SONAI**

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### Sample Teaching Plan Dept. BBA

ACA-D-01

Rev.: 00 Date: 15.06.2018

ISO 9001:2015

Clause: 7.5



**MULA EDUCATION SOCIETY'S**

**ARTS, COMMERCE & SCIENCE COLLEGE, SONAI**

**TAL- NEWASA, DIST- AHMEDNAGAR**



## TEACHER DIARY

Academic Year – 2022-23

Name of Teacher : Hurule Sudanshan Vijay

Designation : Assistant Professor

Department : BBA



ACA-R-08		Teaching Plan and Implementation Record		Academic Year: 2022-23	
Rev. 08	Annual				
Date: 15/06/2018		Class: S.Y BBA		Subject: Finance Service	
		Course No.:			
Topics & Total lectures allotted					
Month	Topic and Sub-topic	Period allotted	Conduction Date	Methodology used	Remark
Feb	Unit: 1 Introduction Equity and Preference share Capital Finance service	10	1 Feb 4 Feb 6, 7 Feb 8 Feb 10, 11 Feb		
	Source of Capital Indian Financial System		13 Feb 14, 15 Feb	Chalk P.P.T and ICF tools	
	Financial interm. services in financial system Merchant Banker		21, 22 Feb 23, 24 Feb	Talk	
Mar	Depositors, Brokers, Banker		1, 2 Mar 3 Mar 4 Mar		
Unit 2	Unit: 2 Fundamentals of Financial Market Function.	14	15, 16 Mar 17 Mar 20, 21 Mar		
	Role of Economic development		21, 24 25 Mar		
	Secondary market function, Role in Economic Market		27 Mar 28 Mar 31 Mar		

ACA-R-08		Teaching Plan and Implementation Record		Academic Year: 2022-23	
Rev. 08	Annual				
Date: 15/06/2018		Class:		Subject:	
		Course No.:			
Topics & Total lectures allotted					
Month	Topic and Sub-topic	Period allotted	Conduction Date	Methodology used	Remark
April	Issue & Management IPO, Stocks Exchange		3 Apr 4, 7 Apr		
	BSE Function NSE Function		10 Apr 11 Apr		
	Unit: 3 Financial Service in India	14	12, 13 Apr 13, 14 Apr	Chalk P.P.T and ICF tools	
	Mutual Fund, Factor, Advantage, Disadvantage, Investment		18, 19 Apr	Talk	
	Selection of best mutual fund, Venture Capital Importance		24 Apr 25, 26 Apr		
	Capital market Agencies, Future and options		27 Apr 28, 29 May		
	Exchange traded Derivatives		3 May		
May	Unit: 4 Computer laboratory work, group discussion	10	8, 9 May 10 May		
	Project training, group discussion		12 May 13, 15 May		
	Project training		11, 12, 13 May		



Mula Education Society's

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Tal. Newasa, Dist- Ahmednagar – 414105



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## Sample Teaching Plan Dept. Arts

ACA-D-01

Rev.: 00 Date: 15.06.2018

ISO 9001:2015

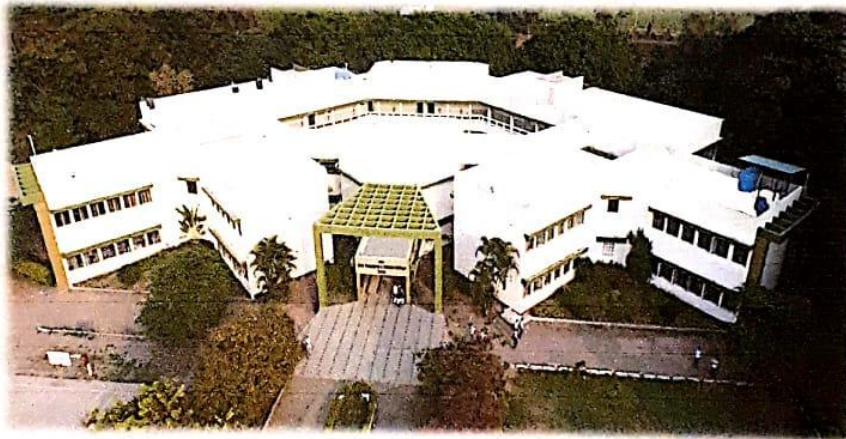
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**ARTS, COMMERCE & SCIENCE COLLEGE, SONAI**

**TAL- NEWASA, DIST- AHMEDNAGAR**



## TEACHER DIARY

Academic Year – 2022-23

Name of Teacher : Dr. Sambhaji Sopanrao Darade

Designation : Asst. professor

Department : History



ACA-R-08  
 Rev: 06  
 Date: 15/06/2018

Academic Year: 2022-23  
 Annual

Teaching Plan and Implementation Record

Class: SYBA Subject: History of the Marathas Course No.: CC-1C  
 (1530-1502)

Month	Topics & Total lectures allotted	Period allotted	Conduction Date	Methodology used	Remark
Unit I	Sources and Rise of the Maratha Power	12			
	a) Literary Sources: Marathi	01	1/08/2022		
	Foreign Sources - French	01	2/9/22		
	Portuguese	01	3/9/22		
	English	01	10/8/22		
	b) Background of the rise of Maratha Power	04	15/8/22		
	- II -		22/8/22		
	- II -		23/8/22		
	- II -		24/8/22		
	c) Shajahi Raje, Rajmata Jijabai and Early life of Chhatrapati Shajahi Maharaj	04	27/8/22	Chalk and Talk	
	Shajahi Raje	02	5/9/22	PPT	
	Jijabai	02	6/9/22	PPT	
	- II -		7/9/22	Tout	
Unit II	Foundation of Swarajya to the Deshasthas - Karmachari Expedition	16			
	a) Relations with Adilshah Javali and Atzal episode and its importance	04			
	Javali and Atzal episode	02	12/9/22		
	- II -		13/9/22		
	Importance	02	14/09/22		
	- II -		19/9/22		
	b) Relations with Mughals: Campaign of Shajeshah	02	24/9/22		
	- II -		2/10/22		
	Sack of Surat	02	27/9/22		
	- II -		29/9/22		
	Expedition of Jaisingh	02	3/10/22		

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ACA-R-08  
 Rev: 06  
 Date: 15/06/2018

Academic Year: 2022-23  
 Annual

Teaching Plan and Implementation Record

Class: SYBA Subject: History of the Marathas Course No.: CC-1C  
 (1530-1502)

Month	Topics & Total lectures allotted	Period allotted	Conduction Date	Methodology used	Remark
	Expedition of Jaisingh	02	04/10/22		
	Visit to Agra	02	10/10/22		
	- II -		10/10/22		
	c) Coronation and Karnataka Expedition	04	7/11/2022		
	Coronation	02	14/10/2022		
	- II -		17/10/2022		
	Karnataka Expedition	02	18/10/2022		
	- II -		19/10/2022		
Unit III	Administration under Chhatrapati Shajahi Maharaj	05			
	a) Military	04	3/10/2022		
	- II -		21/11/2022		
	- II -		23/11/2022		
	- II -		7/11/2022		
	b) Civil	04	9/11/2022		
	- II -		14/11/2022		
	- II -		21/11/2022		
Unit IV	Chhatrapati Sambhaji Maharaj to the Marathas later at Independence	12			
	a) Chhatrapati Sambhaji Maharaj: Consolidation of Power	02	22/11/22		
	- II -		23/11/22		
	Relations with Mughals	02	24/11/2022		
	- II -		28/11/2022		
	b) Chhatrapati Sambhaji Maharaj and Mughals	02	24/11/2022		
	- II -		5/12/22		
	Maharaj Tarabai	02	24/11/2022		
	- II -		27/11/2022		
	c) Santaji Ghorpade	02	1/12/2022		
	Shantaji Ghorpade	02	2/12/22		
	Ranchhodrapant Bhat	02	3/12/22		
	- II -		4/12/22		

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## 6. Internal Assessments time table and other documents

Internal assessment, or curriculum-embedded assessment, evaluates what students do when they are in the classroom. Internal assessment is a crucial part of the instruction process in art and aids teachers, students, and parents in evaluating student progress.

### Samples of Internal Assessments: - Internal Test Conducted.



Mula Education Society's  
**Arts, Commerce & Science College, Sonai.**

Department of Chemistry

ACA – R -29

Rev : 00

Date: 15.06.2018

Class: M Sc. I.

Sub.:CHI 130

**Question Paper**  
**Internal test**

Academic Year: 2022-23

Annual /Semester: I

Date: 22/11/2022 Time:12.00

Max. Marks: 20 marks

**Section-I**

**Instructions:** 1. all questions are compulsory

**Q1. Attempt the following (compulsory) 03 Marks**

1. Which principal axis is present in  $\text{NiCl}_4$  ?
2. Define Improper axis of symmetry?
3. Define Symmetry elements?

**Q2. Attempt the following (any TWO) 04 Marks**

1. Explain all symmetry elements and symmetry operations in  $\text{NH}_3$ ?
2. Explain all symmetry elements and symmetry operations in  $\text{XeOF}_4$ ?
3. Determine the point group of Ethylene molecule?
4. Determine the point group of Boric Acid molecule?

**Q3. Attempt the following (any ONE) 03Marks**

1. Explain all symmetry elements and symmetry operations in  $\text{CH}_4$  molecule?
2. Explain all symmetry elements and symmetry operations in  $\text{SF}_6$  molecule?

**Section-II**

**Q4. Attempt the following (compulsory) 03 Marks**

1. Define Electron Deficient Compound?
2. Define Electron Rich Compound?
3. Define Electron Precise Compound?

**Q5. Attempt the following (any TWO) 04 Marks**

1. Define acid by arrenius theory?
2. Define Interhalogen Compound?
3. Define Pseudohalogens?
4. Explain in brief about Diamond allotrope?

**Q6. Attempt the following (any ONE) 03Marks**

5. Explain Interhalogen Compound with suitable examples?
6. Explain Pseudohalogen Compound with suitable examples?



Mula Education Society's  
**Arts, Commerce & Science College, Sonai.**

Department of Chemistry

ACA – R -29

Rev : 00

Date: 15.06.2018

Class: M.Sc. Organic  
Chemistry

Sub.: CHO-452(A)

**Internal Test**  
**CHO-452A**

**Concepts and Applications of  
Medicinal Chemistry.**

Academic Year: 2022-23

Semester: II

Date: 09/05/2023

Time: 12:00 To :01:00

Max. Marks: 20

**Section - I**

**Q.1) Define / Explain**

**3M**

1. Define: Protein.
2. Define: Medicinal Chemistry.
3. Define: Coenzyme.

**Q.2) Write a Short Note On**

**(Attempt any TWO)**

**4M**

- i) Protein as a biological catalyst
- ii) Solid phase peptide synthesis
- iii) Biological Application of Folic Acid
- iv) Write Hansch equation and explain terms involved in it.

**Q.3) Answer the Following (Attempt any One)**

**3M**

- i) Draw structure of oxamniquine and explain its mechanism of action.
- ii) Explain Proton Pump Inhibitor

Mula Education Society's  
**Arts, Commerce & Science College, Sonai**

ACA – R-28

Rev : 00

Date: 15/06/2018

**Test Time Table**

Academic Year: 2022 – 23 (Term-I)

Semester: I &amp; III

Ref: MES/ACSC/ACA/ /

Date: 16/11/2022

**M.Sc. Part –I & -II (Organic & Analytical Chemistry) (Credit Pattern 2019)  
Internal Theory Examination Time Table**

Students of M.Sc. Part –I & -II (Organic & Analytical Chemistry) (Credit Pattern 2019) are informed that their **Internal Theory Examination** will be conducted from 21<sup>st</sup> Nov.2022 to 24<sup>th</sup> Nov.2022. The Examination will be conducted according to the norms of Savitribai Phule Pune University Examination.

**Instructions to the Students:**

- ✓ Students should be present half an hour before the exam.
- ✓ Students will not be allowed for exam without Identity card & dress code.
- ✓ No Exam will be conducted for the absent students.
- ✓ Examination will be of 20 marks; Time: 1 hr.

**Pattern of Question Paper:**

There will be two sections for each paper. Each section will be of 10 marks and the pattern of question paper shall be:

Q.1 (3 Marks)	3 compulsory sub-questions, each of 1 mark; (such as define, short problem, draw the structure / neat labeled diagram, short reasons, characteristics, applications, etc.)
Q. 2 (4 Marks)	2 out of 4 –descriptive answer type questions of 2 marks each; answerable in sufficient length like write notes
Q. 3 (3 Marks)	1 out of 2 – numerical problem type question; spectral analysis, how you will apply your knowledge to solve particular problem, etc. types of question.

Sr.No.	Date	Time	M.Sc.-I (Organic & Analytical Chemistry)	M.Sc.-II (Organic Chemistry)	M.Sc.-II (Analytical Chemistry)
1	21/11/2022	12.00 pm to 01.00 pm	CCTP-1 CHP-110	CCTP-7 CHO-350	CCTP-7 CHA-390
2	22/11/2022		CCTP-2 CHI-130	CCTP-8 CHO-351	CCTP-8 CHA-391
3	23/11/2022		CCTP-3 CHO-150	CCTP-9 CHO-352	CCTP-9 CHA-392
4	24/11/2022		CBOP-1 CHG-190 C) (S-I: Theory)	CBOP-3 CHO-353-A) Theory	CBOP-3 CHA-393-A) Theory

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Mula Education Society's  
Arts, Commerce & Science College, SonaiACA – R-28  
Rev : 00  
Date: 15/06/2018

## Test Time Table

Academic Year: 2022 – 23 (Term-I)

Semester: I &amp; III

Ref: MES/ACSC/ACA/

Date: 16/11/2022

**M.Sc. Part –I & -II (Organic & Analytical Chemistry) (Credit Pattern 2019)  
Internal Practical Examination Time Table**

Students of M.Sc. Part –I & -II (Organic & Analytical Chemistry) (Credit Pattern 2019) are informed that their *Internal Practical Examination* of following practical courses will be conducted from 25<sup>th</sup> Nov.2022 to 26<sup>th</sup> Nov.2022. The Examination will be conducted according to the norms of Savitribai Phule Pune University Examination.

• **Instructions to the Students:**

- Students should report before 30 min in laboratory.
- Students will not be allowed for exam without Identity card, apron, certified journal & dress code.
- Practical Books are not allowed during examination.
- No Rexam will be conducted for the absent students.

Sr.No.	Date	Time	M.Sc.-I (Organic & Analytical) Chemistry	M.Sc.-II (Organic Chemistry)	M.Sc.-II (Analytical Chemistry)
1	25/11/2022	08.30 am to 11.30am	CBOP-1 CHG-190 A) (S-II: Practical)	--	--
2	26/11/2022	08.30 am to 11.30am	CCPP-1 CHP-107 Basic Practical Chemistry-I	CCPP-3, CHO-354: Practical-I	CCPP-3 CHA-394 Practical I

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Rev : 00  
Date: 15/06/2018

## Test Time Table

Academic Year: 2022 – 23 (Term-II)

Semester: II &amp; IV

Ref: MES/ACSC/ACA/

Date: 26/04/2023

**M.Sc. Part –I & -II (Organic & Analytical) Chemistry (Credit Pattern 2019)**  
**Internal Theory Examination Time Table**

Students of M.Sc. Part –I & -II (Organic & Analytical) Chemistry (Credit Pattern 2019) are informed that their *Internal Theory Examination* will be conducted from **08<sup>th</sup> May to 10<sup>th</sup> May 2023**. The Examination will be conducted according to the norms of Savitribai Phule Pune University Examination.

**Instructions to the Students:**

- Students should be present half an hour before the exam.
- Students will not be allowed for exam without Identity card & dress code.
- No Rexam will be conducted for the absent students.
- Examination will be of **20 marks; Time: 1 hr.**

**Pattern of Question Paper:**

There will be two sections for each paper. Each section will be of 10 marks and the pattern of question paper shall be:

Question 1 (3 Marks)	3 compulsory sub-questions, each of 1 mark; (such as define, short problem, draw the structure / neat labeled diagram, short reasons, characteristics, applications, etc.)
Question 2 (4 Marks)	2 out of 4 –descriptive answer type questions of 2 marks each; answerable in sufficient length like write notes
Question 2 (3 Marks)	1 out of 2 – numerical problem type question; spectral analysis, how you will apply your knowledge to solve particular problem, etc. types of question.

Sr.No.	Date	Time	M.Sc.-I (Organic & Analytical) Chemistry	M.Sc.-II (Organic Chemistry)	M.Sc.-II ( Analytical Chemistry)
1	08/05/2023	12.00 pm to 01.00 pm	CCTP-4 CHP-210	CCTP-10 CHO-450	CCTP-10 CHA-490
		02.00 pm to 03.00 pm	CCTP-5 CHI-230	CCTP-11 CHO-451	CCTP-11 CHA-491
2	09/05/2023	12.00 pm to 01.00 pm	CCTP-6 CHO-250	CBOP-4 CHO-452 A) Theory	CBOP-4 CHA-492 A) Theory
		02.00 pm to 03.00 pm	CBOP-2 CHG-290 C) (Sec-I: Theory)	--	--
3	10/05/2023	12.00 pm to 01.00 pm	Cyber Security - II	Cyber Security-IV	
		02.00 pm to 03.00 pm	Human Rights - II	Skill Development-II	

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Department of Chemistry (P.G.)ACA – R-28  
Rev : 00  
Date: 15/06/2018

## Test Time Table

Academic Year: 2022 – 23 (Term-II)

Semester: II &amp; IV

Ref: MES/ACSC/ACA/ /

Date: 26/04/2023

M.Sc. Part –I & -II (Organic & Analytical Chemistry) (Credit Pattern 2019)  
Internal Practical Examination Time Table

Students of M.Sc. Part –I & -II (Organic & Analytical Chemistry) (Credit Pattern 2019) are informed that their *Internal Practical Examination* of following practical courses will be conducted on **04<sup>th</sup> May 2023**. The Examination will be conducted according to the norms of Savitribai Phule Pune University Examination.

- **Instructions to the Students:**

- Students should report before 30 min in laboratory.
- Students will not be allowed for exam without Identity card, apron, certified journal & dress code.
- Practical Books are not allowed during examination.
- No Rexam will be conducted for the absent students.

Sr.No.	Date	Time	M.Sc.-I (Organic & Analytical) Chemistry	M.Sc.-II (Organic Chemistry)	M.Sc.-II (Analytical Chemistry)
1	11/05/2023	08.30 am to 11.30am	CBOP-2 CHG-290 A) (Sec-II: Practical)	CBOP-5 CHO-453 Practical-III (Sec-I & Sec-II)	CBOP-5 CHA-493 A) Practical-III
		12.30pm to 03.30pm	CCPP-2 CHP-227 Basic Practical Chemistry-II	CCPP-4 CHO-454 Practical-II	CCPP-4 CHA-494 Practical-II

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**Assignment Submission**

Assignment no. 1

Q.1] Attempt the following:

a) State the Arrhenius equation and explain the terms there in?

Ans → The Arrhenius eq<sup>n</sup> is,

$$k = A e^{-E_a/RT}$$

Where,

k = rate of chemical reaction  
 A = constant  
 E<sub>a</sub> = Activation energy

b) Distinguish bet<sup>n</sup> molecularity and order of reaction.

Ans →

Molecularity	Order
1) The total no. of atoms or molecules involved in the chemical reaction is given by stoichiometric chemical eq <sup>n</sup> is known as molecularity of reaction.	1) The sum of exponents and power in the rate of reaction is called order of reaction.
2) It is a theoretical property.	2) It is an experimental property.
3) Molecularity of reac <sup>n</sup> is never zero or fractional. It is always an integer.	3) Order of reaction can be zero or fractional.
4) Molecularity of reac <sup>n</sup> does not change with environ.	4) Order of reaction changes with atmospheric

Ans → Given:  $t_{1/2} = 2.5 \times 10^3 \text{ sec}$

$$x = \left(\frac{1}{3}\right)^{10} = \left(\frac{1}{3} \times 100\right) = 20\%$$

$$a = 100$$

$$k = ?$$

$$t = ?$$

$$k = \frac{0.693}{t_{1/2}} = \frac{0.693}{2.5 \times 10^3}$$

$$k = 2.772 \times 10^{-4}$$

$$k = 2.303 \log \frac{a}{a-x}$$

$$t = \frac{2.303}{k} \log \frac{a}{a-x}$$

$$t = \frac{2.303}{2.772 \times 10^{-4}} \log \frac{100}{100-20}$$

$$t = 8.3080 \times 10^5 \log \frac{100}{80}$$

$$t = 8.3080 \times 10^5 \cdot \log 10$$

$$t = 8.3080 \times 10^5 \cdot \log 10$$

$$t = 8.3080 \times 10^5$$

Q.2] Attempt of the following

a) Obtain an expression for velocity constant of a 1<sup>st</sup> order reaction at equilibrium in terms of rate coefficients.

Ans → Consider a general reaction,

$$A \rightarrow \text{product} \quad t=0 \Rightarrow a, \quad t=t \Rightarrow x$$

Let the initial conc. of reactant 'A' be a mole 'x' is conc. of product at time 't'.  
 'a-x' is be conc. of reactant at time 't'.  
 Thus,

Rate of reaction =  $-\frac{d[A]}{dt} = k[A] \dots \dots \textcircled{1}$

Substitute conc. of reactant A with (a-x) we get rate of reac<sup>n</sup>

$$-\frac{d(a-x)}{dt} = k[a-x]$$

$$\frac{dx}{dt} = k[a-x]$$

$$0 + \frac{dx}{dt} = k[a-x]$$

$$\frac{dx}{dt} = k[a-x]$$

By rearrange above eq<sup>n</sup>.

$$\frac{dx}{(a-x)} = k \cdot dt \text{ OR}$$

$$k \cdot dt = \frac{dx}{(a-x)}$$

- This eq<sup>n</sup> is only applicable for time 't' and conc. (a-x). For wide changing and time integrate above eq<sup>n</sup> limit as,

$$k \int_0^t dt = \int_0^x \frac{dx}{(a-x)}$$

$$k \left[ \int_0^t dt \right] = \left[ \int_0^x \frac{dx}{a-x} \right]$$

$$k \cdot t = [-\ln(a-x) + \ln a]$$

$$k \cdot t = \ln a - \ln(a-x)$$

$$k = \frac{1}{t} \ln \frac{a}{a-x}$$

$$k = \frac{2.303}{t} \log \frac{a}{a-x}$$

tal condition. | condition in gas phase reac<sup>n</sup>

c) Define consecutive and parallel reaction with suitable example?

Ans → Consecutive reaction:

It is defined as reaction is proceed from reactant to product to one or more intermediate state.

$$\text{e.g.} \quad A \xrightarrow{k_1} B \xrightarrow{k_2} C$$

Parallel reaction:

"The reaction in which a substance or reactant decompose more than one or more intermediate way is called as parallel or side reaction".

$$A \rightarrow B \rightarrow C$$

$$\text{e.g.} \quad A \xrightarrow{k_1} B$$

$$A \xrightarrow{k_2} C$$

d) What is difference between unstable intermediate and an activated complex?

Ans → An unstable intermediate is an actual chemical species. It has normal bond order. It may be stabilized under the different reaction condition activated complex is postulated species which has maximum energy during the inversion from reactant to product.

e) Half-life of a 3<sup>rd</sup> order reaction is  $2.5 \times 10^{13}$  sec. How long will it take for 1/5<sup>th</sup> of the reactant to be left behind.

Where 'k' is the velocity constant.  
These eq<sup>n</sup> is known as integrated form of first order reaction.

b) Derive the expression for the half life of an n<sup>th</sup> order reaction?

Ans → Half-life period (t<sub>1/2</sub>)  
We know that

$$k = \frac{1}{t(n-1)} \left[ \frac{1}{(a-x)^{n-1}} - \frac{1}{a^{n-1}} \right]$$

By rearrange above equation we get,

$$t = \frac{1}{k(n-1)} \left[ \frac{1}{(a-x)^{n-1}} - \frac{1}{a^{n-1}} \right]$$

For 50% react<sup>n</sup>, t = t<sub>1/2</sub> and than above eq<sup>n</sup> x = a/2 becomes.

$$\therefore t_{1/2} = \frac{1}{k(n-1)} \left[ \frac{1}{(a-a/2)^{n-1}} - \frac{1}{a^{n-1}} \right]$$

$$\therefore t_{1/2} = \frac{1}{k(n-1)} \left[ \frac{1}{(a/2)^{n-1}} - \frac{1}{a^{n-1}} \right]$$

$$\therefore t_{1/2} = \frac{1}{k(n-1)} \left[ \frac{2^{n-1}}{a^{n-1}} - \frac{1}{a^{n-1}} \right]$$

$$\therefore t_{1/2} = \frac{1}{k(n-1)} \left[ \frac{2^{n-1} - 1}{a^{n-1}} \right]$$

$$\therefore t_{1/2} \propto \frac{1}{a^{n-1}}$$

c) How does the concentration of intermediate be obtained in the case of consecutive reaction. A → B → C.

Consecutive reaction -  
The reaction which proceed from reactant to product into one or more intermediate state.

Consider a react<sup>n</sup>.

$$A \xrightarrow{k_1} B \xrightarrow{k_2} C$$

Initial time (t=0)	a	0	0
time (t)	x	y	z

∴ The rate of decomposition of reactant A.

$$\frac{dx}{dt} = -k_1 x$$

Multiply above eq<sup>n</sup> with -ve sign.

$$-\frac{dx}{dt} = k_1 x$$

By rearrange the eq<sup>n</sup>.

$$-\frac{dx}{x} = k_1 dt$$

Integrate above eq<sup>n</sup> without limit,

$$-\int \frac{dx}{x} = k_1 \int dt + c$$

$$-\ln x = k_1 t + c \dots (1)$$

Hence at time t=0, x=a then

∴ eq<sup>n</sup> (1) become,

$$-\ln a = k_1 t + c$$

$$c = -\ln a \dots (2)$$

put eq<sup>n</sup> (2) in eq<sup>n</sup> (1)

$$-\ln x = k_1 t - \ln a$$

$$\therefore -\ln x + \ln a = k_1 t$$

∴ multiply with -ve sign.

$$\ln x - \ln a = -k_1 t$$

$$\ln \left( \frac{x}{a} \right) = -k_1 t$$

$$\therefore \frac{dx}{a} = e^{-k_1 t} \dots (3)$$

eq<sup>n</sup> (3) is called exponential eq<sup>n</sup>. i.e. conc of reactant A. fall exponential with time B.

1) For rate of formation,  $\frac{dy}{dt} = k_2 y$

2) For rate decomposition,  $\frac{dy}{dt} = -k_2 y$

∴ Net reaction,

$$\frac{dy}{dt} = k_1 x - k_2 y$$

Multiply above eq<sup>n</sup> with -ve sign.

$$-\frac{dy}{dt} = -k_1 x + k_2 y$$

$$-\frac{dy}{dt} = k_2 y - k_1 x \dots (4)$$

put eq<sup>n</sup> (3) in eq<sup>n</sup> (4)

$$-\frac{dy}{dt} = k_2 y - k_1 a e^{-k_1 t} \dots (5)$$

Eq<sup>n</sup> (5) is called linear differential eq<sup>n</sup> of 1<sup>st</sup> order eq<sup>n</sup> is.

$$y = \frac{k_1 a}{k_2 - k_1} (e^{-k_1 t} - e^{-k_2 t}) \dots (6)$$

∴ If there is no change in no. of moles. i.e. sum of moles A, B, and C = Initial moles of reactant at time t.

A of time t = 0

$$x + y + z = a$$

$$z = a - x - y \dots (7)$$

put eq<sup>n</sup> (6) in eq<sup>n</sup> we get.

$$\therefore z = a - a e^{-k_1 t} - \frac{k_1 a}{k_2 - k_1} (e^{-k_1 t} - e^{-k_2 t})$$

Q.3: Solve the following.

a) In the comprehensive eq<sup>n</sup> for a certain reaction the values of A and Ea are  $4 \times 10^{13} \text{ sec}^{-1}$  and  $98.6 \text{ kJ mol}^{-1}$  respect. If the reaction is of the 1<sup>st</sup> order at what temp. will its half life be 10 minutes?

Ans → Given:

$$A = 4 \times 10^{13} \text{ sec}^{-1}$$

$$E_a = 98.6 \text{ kJ mol}^{-1}$$

$$t_{1/2} = 10 \text{ minutes} = 10 \times 60 = 600 \text{ sec.}$$

$$k = \frac{0.693}{t_{1/2}}$$

$$k = \frac{0.693}{600}$$

$$k = 1.155 \times 10^{-3}$$

$$k = A e^{-E_a/RT}$$

$$\log k = \log A - \frac{E_a}{RT}$$

$$\log (1.155 \times 10^{-3}) = \log 4 \times 10^{13} - \frac{98.6}{8.314 \times T}$$

$$-2.9374 = 4 \times 10^3 - \frac{98.6}{8.314 \times T}$$

$$\therefore T = \frac{4 \times 10^3 - 98.6}{8.314 \times (-2.9374)}$$

$$T = 4 \times 10^3 - \frac{98.6}{-24.4216}$$

$$T = 40040$$

$$T = 400.40$$



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 Date

Assignment no. 2

Q1 Attempt the following.

1) For the parallel reaction,  $A \xrightarrow{k_1} B$ ,  $A \xrightarrow{k_2} C$   
 $A \rightarrow P$ . Determine the concentration of B, C, and D

Ans → Parallel reaction :-  
 "The reaction in which a substance or reactant decompose than one way is called as parallel or side reaction"  
 - Such reaction gives more than one independent product.

$$A \begin{cases} \xrightarrow{k_1} B \\ \xrightarrow{k_2} C \end{cases}$$

- If one of the reaction utilize major portion of the reactant it is called main reaction and other is called side reaction.  
 $k_1 \gg k_2$  then,  
 $A \rightarrow B$  ..... main reaction — (1)  
 $A \rightarrow C$  ..... side reaction — (2)

From above eq<sup>n</sup>  
 - The rate eq<sup>n</sup> for 1<sup>st</sup> reaction becomes, hence,  
 $\frac{d[A]}{dt} = -k_1 [A]$  or  
 $-\frac{d[A]}{dt} = +k_1 [A]$  ..... (3)

For second reaction  
 $\frac{d[A]}{dt} = -k_2 [A]$  or  
 $-\frac{d[A]}{dt} = k_2 [A]$  ..... (4)

From eq<sup>n</sup> (3) & (4) the net reac<sup>n</sup> becomes,  
 $-\frac{d[A]}{dt} = k_1 [A] + k_2 [A]$  ..... (5)

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 Date

Here both reaction follows simple first order differential form in.

$$[A] = a \cdot e^{-(k_1+k_2)t}$$
 ..... (6)

For product B & C

$$\frac{d[B]}{dt} = k_1 [A]$$
 ..... (7)
$$\frac{d[C]}{dt} = k_2 [A]$$
 ..... (8)

put eq<sup>n</sup> (6) in eq<sup>n</sup> (7) and (8)

$$\frac{d[B]}{dt} = k_1 \cdot a \cdot e^{-(k_1+k_2)t}$$
 ..... (9)
$$\frac{d[C]}{dt} = k_2 \cdot a \cdot e^{-(k_1+k_2)t}$$
 ..... (10)

by rearrange and integrate (9) and (10)

$$[B] = \frac{k_1 \cdot a}{k_1 \cdot k_2} (1 - e^{-(k_1+k_2)t})$$
 ..... (11)

Similarly,

$$[C] = \frac{k_2 \cdot a}{k_1 \cdot k_2} (1 - e^{-(k_1+k_2)t})$$
 ..... (12)

by taking reaction of eq<sup>n</sup> (11) and (12)  
 we get,  
 $\frac{[B]}{[C]} = \frac{k_1}{k_2}$  ..... (13)

2) Consider the reaction mechanism,  
 $A + B \xrightarrow{k_1} C$  ..... (1)  
 $C \xrightarrow{k_2} D$  ..... (2)

Write the expression of  $\frac{d[D]}{dt}$  the rate of product formation, assuming equilibrium is established.



shed in the 1<sup>st</sup> order reaction before any appreciable amount of product is formed. OR  
 Explain pre-equilibrium approximation show that  $\frac{d[P]}{dt} = k_p [A]^2 [B]$  for the following reaction.

$A + B \xrightleftharpoons[k_{-1}]{k_1} I, I + B \xrightarrow{k_2} P$  where I is an intermediate?

Ans → The rate formation of equilibrium and rate of decomposition eq<sup>m</sup> is faster than rate of formation of product.

Consider a reaction  
 $A + B \xrightleftharpoons[k_{-1}]{k_1} AB \xrightarrow{k_2} P$   
 here, pre-equilibrium arises,  
 i.e.  $k_1 \gg k_{-1}$

From above reaction rate for forward reaction  
 $\frac{d[A]}{dt} = -k_1 [A][B]$

Rate for backward reaction  
 $\frac{d[A]}{dt} = k_{-1} [AB]$  eq<sup>m</sup>

The net reaction are  
 $\frac{d[A]}{dt} = k_1 [A][B] - k_{-1} [AB]$

hence, above eq<sup>n</sup> becomes,  
 $k_1 [A][B] = k_{-1} [AB]$   
 $k_1 [A][B] = k_{-1} [AB]$   
 $\frac{k_1}{k_{-1}} = \frac{[AB]}{[A][B]}$  eq<sup>m</sup>  
 $k = \frac{[AB]}{[A][B]}$  ..... ①

$[AB] = k [A][B]$ , where  $\frac{k_1}{k_{-1}} = k$ .

Thus, rate for product formation becomes,  
 $\frac{d[P]}{dt} = k_2 [AB]$  eq<sup>m</sup> ..... ②

$\frac{d[P]}{dt} = k_2 \cdot k [A][B]$

put eq<sup>n</sup> in ② and ①

$\therefore \frac{d[P]}{dt} = k [A][B]$  ..... ③

Where,  $k_2 \cdot k = k$   
 in eq<sup>n</sup> ③ eq<sup>m</sup> is not involve hence, pre-equilibrium is follows 2<sup>nd</sup> order kinetics.

3) Obtain the expression for rate constant for 2<sup>nd</sup> order reaction, when reactants in concentrations.

Ans → Consider a reaction,  
 $A + B \rightarrow \text{product}$   
 rate of reaction =  $-\frac{d[A]}{dt} = k[A][B]$  ..... ①

- If (a-x) and (b-x) are the concentration of reactant time 't' then above eq<sup>n</sup> becomes,  
 rate of reaction =  $-\frac{d(a-x)}{dt}$

$\frac{dx}{dt} = k(a-x)(b-x)$  ..... ②

by rearranging eq<sup>n</sup>.

$k \cdot dt = \frac{dx}{(a-x)(b-x)}$  ..... ③

by rearranging eq<sup>n</sup>.

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$$k \cdot dt = \frac{dx}{(a-b)} \left[ \frac{1}{(b-x)} - \frac{1}{(a-x)} \right]$$

$$k \cdot dt = \frac{1}{(a-b)} \left[ \frac{dx}{(b-x)} - \frac{dx}{(a-x)} \right] \dots \dots \dots (4)$$

For wide change in concentration integrate above eq. with limit, we get,

$$k \int_0^t dt = \frac{1}{(a-b)} \left[ \int_0^x \frac{dx}{(b-x)} - \int_0^x \frac{dx}{(a-x)} \right]$$

$$k \cdot t = \frac{1}{(a-b)} \left[ [-\ln(b-x)]_0^x - [-\ln(a-x)]_0^x \right]$$

$$k \cdot t = \frac{1}{(a-b)} \left[ -\ln(b-x) + \ln b + \ln(a-x) - \ln a \right]$$

$$k \cdot t = \frac{1}{(a-b)} \left[ \ln b + \ln(b-x) + \ln b + \ln(a-x) - \ln a \right]$$

$$k \cdot t = \frac{1}{(a-b)} \left[ \ln b + \ln(a-x) - \ln a - \ln(b-x) \right]$$

$$k \cdot t = \frac{1}{(a-b)} \left[ \ln \frac{b(a-x)}{a(b-x)} \right]$$

$$k = \frac{1}{t(a-b)} \ln \frac{b(a-x)}{a(b-x)}$$

$$k = \frac{2.303}{t(a-b)} \log \frac{b(a-x)}{a(b-x)} \dots \dots \dots (5)$$

eq<sup>n</sup> (5) is a expression for velocity constant with unequal initial concentration.

Q.2. Solve the following.



Page No:   
 Date:

a) Calculate energy of activation for a reaction if rate of the reaction is doubled by changing the temperature from 27°C to 37°C?

Ans → Given :-  
 $T_1 = 27^\circ\text{C} = 27 + 273 = 300\text{K}$   
 $T_2 = 37^\circ\text{C} = 37 + 273 = 310\text{K}$   
 if rate of reaction is doubled  
 $k_2 = 2k_1$   
 $E_a = ?$  /  $R = 8.314\text{J}$

Formula :-  

$$\log \frac{k_2}{k_1} = \frac{E_a}{2.303R} \left[ \frac{T_2 - T_1}{T_1 T_2} \right]$$

$$\log \frac{2k_1}{k_1} = \frac{E_a}{2.303} \left[ \frac{310 - 300}{300 \times 310} \right]$$

$$\log 2 = \frac{E_a}{2.303} \left[ \frac{10}{93000} \right]$$

$$0.3010 = \frac{E_a}{2.303} \left[ \frac{10}{93000} \right]$$

$$0.3010 = \frac{E_a}{2.303} \times 1.0752 \times 10^{-4}$$

$$E_a = \frac{0.3010 \times 2.303}{1.0752 \times 10^{-4}}$$

$$E_a = \frac{0.693205}{1.0752 \times 10^{-4}}$$

$$E_a = 6447.20$$

b) Show that in every 1<sup>st</sup> order reaction time required for 75% completion of reaction is double the half life period.

Ans → Given :-  
 $a = 100$

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$x = 75\%$ ,  $t_{1/2} = 0.693/k$  --- (1)

$\therefore a-x = 100 - 75 = 25\%$

Formula :-

$$k_{1/2} = \frac{2.303}{k} \log \frac{a}{a-x} \times 60$$

$$t_{1/2} = \frac{2.303}{k} \log \frac{a}{a-x} \times 12$$

$$t_{1/2} = \frac{2.303}{k} \log$$

$$\therefore t_{75\%} = \frac{2.303}{k} \log \frac{100}{25}$$

$$= \frac{2.303}{k} \log 4$$

$$= \frac{2.303}{k} \times 0.6020$$

$$\therefore t_{75\%} = \frac{1.386}{k}$$
 --- (2)

Take ratio of eq<sup>n</sup> (1) and (2)

$$\frac{t_{75\%}}{t_{50\%}} = \frac{1.386/k}{0.693/k}$$

$$= 2.00$$

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Date \_\_\_\_\_

Q) In a reaction the decrease in reactant concentration is 20% in 20 min and 40% in 40 min. Calculate rate of reaction and rate constant?

Ans -> Given.

$T_1 = 20\%$   
 $T_2 = 40\%$   
 $t_1 = 20 \text{ min} = 20 \times 60 = 1200$   
 $t_2 = 40 \text{ min} = 40 \times 60 = 2400$   
 $a = 100$

1)  $a-x = 100 - 20\% = 80\%$   
2)  $a-x = 100 - 40\% = 60\%$

1)  $k_1 = \frac{2.303}{t} \log \frac{a}{a-x}$

$$k_1 = \frac{2.303}{1200} \log \frac{100}{80}$$

$$k_1 = \frac{2.303}{1200} \log (1.25)$$

$$k_1 = 1.919 \times 10^{-3} \cdot 0.0969$$

$$k_1 = 1.859 \times 10^{-4} \text{ s}^{-1}$$

2)  $k_2 = \frac{2.303}{t} \log \frac{a}{a-x}$

$$k_2 = \frac{2.303}{2400} \log \frac{100}{60}$$

$$k_2 = 9.595 \times 10^{-4} \cdot \log (1.66)$$

$$k_2 = 9.595 \times 10^{-4} \cdot 0.220$$

$$k_2 = 2.1109 \times 10^{-4} \text{ s}^{-1}$$

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Date \_\_\_\_\_

Assignment No-1

31) What are the essential principles of method transfer? Discuss in detail documentation, communication, acceptance, control, implementation & method variation & modification.

→ There are five essential principles which will ensure successful method transfer: documentation, communication, acceptance, control, implementation & method modification & revalidation.

i) Documentation: method transferred from development laboratory to designated laboratory. The essential elements are:

A) a written procedure - step by step description of manipulation, specific reagent, equipment, instrument setting & critical parameters. Each step of procedure instruction give one possible interpretation. It distinguishes method transfer from method validation. The record are is correct, precise & revised.

B) Method Validation Report - It contain experimental design & data that justify the conclusion the analytical method written, performs as intended.

C) System suitability criteria - It defines the minimum acceptance criteria prior to

ii) Communication - The ARD & QC Staff's should meet before transfer to discuss relevant practical aspect of the method. A particular manipulative steps. These discussion should be initiated before validation.

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vi) Method modification & revalidation:-

It significant modification to a method are incorporated at the time of transfer or revalidation may be necessary to ensure that the modification have not invalidated previous conclusion in the method validation. Repeat that all change in method require revalidation. The examples of method revalidation give above represent method revalidation required revalidation of the method. The version of method is being employed for product analysis method validation & method transfer. It includes:

a) Automation:- The use of robotic apparatuses calibrated repeats indefinitely all manipulations of previous manual method. Only precision experiment need to be repeated occur in the laboratory after method transfer.

b) Sample preparation:- It would be desire to use whole table instead of ground-table composition. The modification solvent, solvent or solvent solid ratio's are changed in the extraction step.

c) Dilution:- If solvent ratios remain identical to those in the original method & the analytical concentration are also the same only the precision is likely to be affected & those experiment repeat.



complete It is possible to introduce any desirable change/modification into APD validation report prior registration. Inter departmental communication allows time to generate data to justify alternative to prepare method validation report included in registration package. e.g. changes in sample preparation, amount, requirement, availability, cost-effectiveness of required reagent.

iv) Acceptance Criteria:- The designated laboratory is responsible for issuing & following SOPs define the critical for accepting an analytical method. The data generated by SOPs basic of method transfer report. The designated laboratory responsible for data consistency resulting from the use of the method. Most of SOPs prove & acceptable for unique criteria for define a method acceptable e.g. different statistical approaches for data evaluation, different scheme for evaluating operator to operator or day to day variability.

v) Implementation:- The designation laboratory must follow the procedure as written to ensure that method submitted by data base to be included in the method validation report to add additional data at the time of method transfer.

d) Alternative use of chromatographic technique - The change in specificity & resolution as well as quantitative aspect of the method. This type of modification require all method validation parameters to be reassessed i.e. specificity, linearity, accuracy, precision & time of day.

2) Write a short note on ILQ Processes

→ The method transfer - It involves more designated laboratory obtain result expected after analyzing a sample of representative product. Alone will not assure consistent performance of the method over time & actually mask erroneous results arising from compensating errors.

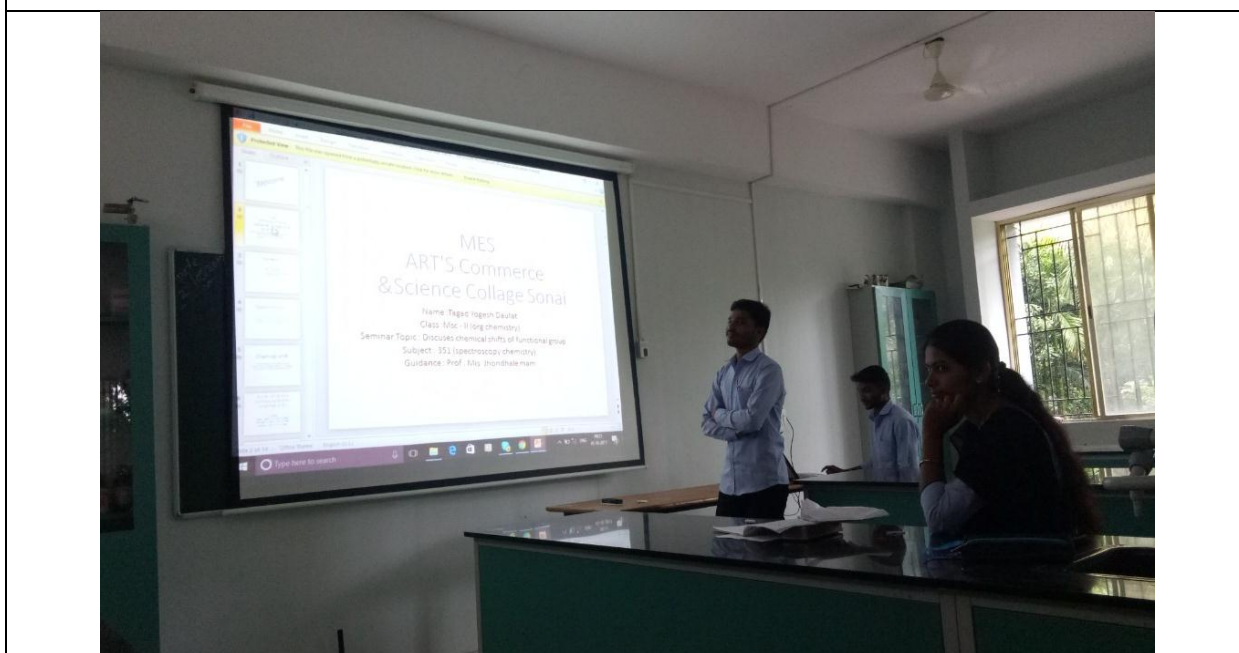
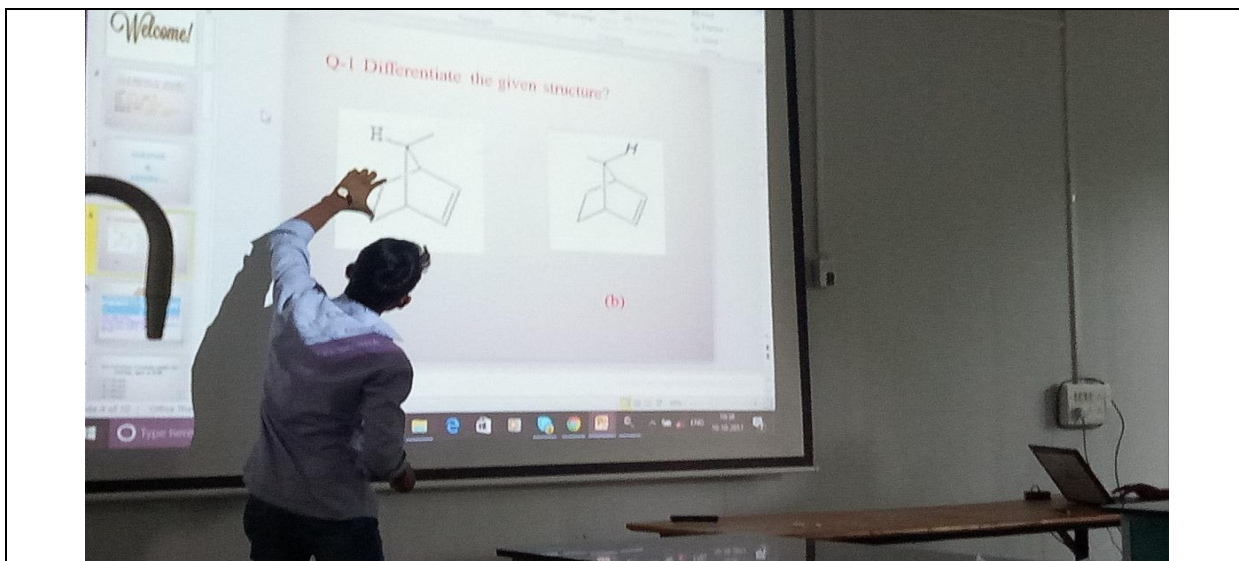
ii) Laboratory :- Each laboratory in the method transfer process should define independently, an experimental protocol to be followed for every method transferred to most efficient way to take advantages of the scientific data base already established & included in the method validation report.

iii) function :- a) The designated laboratory should confirm the linearity & recovery for the analyte alone & in presence of the known product components.  
b) Designing the experimental protocol for the



<p>Page No. _____ Date _____</p> <p>The study is intended for Health &amp; welfare. The study is intended to examine the absorption, distribution, metabolism &amp; excretion of drugs &amp; issues of test methods &amp; parameters to be determined. The only reference to validation appears in the test method section where it states "Assay methods". The assay method &amp; its sensitivity, precision, specificity etc. should be clearly defined.</p> <p>4) Give the Guideline provided by Europe to analysis the biological sample?</p> <p>→ (A) The European community.</p> <p>i) An European community provided basic guidance on the presentation of data on the validation of test procedure carried out for toxicological &amp; pharmacological study.</p> <p>ii) No specific details are given out for raw validation should be performed but several recommendations are provided.</p> <p>iii) The bioanalysis is often carried out in more than one laboratory it is very important to be able to compare result between laboratories. Two cases should be considered.</p> <p>a) when the same test procedure is always used, quality control between the laboratory is necessary.</p>	<p>Page No. _____ Date _____</p> <p>5) What are guideline provided by Japan to analysis pharmaceutical products?</p> <p>→ The Japan describes the typical analytical parameters used in assay validation: accuracy, precision, specificity, limit of detection, limit of decision, limit of quantization, linearity &amp; range.</p> <p>The common validation schemes:</p> <p>1) Data demonstrating suitable accuracy, precision &amp; linearity over a wide range corresponding.</p> <p>2) Data demonstrating that neither fresh nor degraded placebo interferes with the proposed method.</p> <p>3) Data characterizing day to day, lab to lab, analyst to analyst &amp; column to column, variability.</p>
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## Seminars



## Seminars by students



Samples of External Assessments: -  
Time Table of University Examinations

**SECOND YEAR M.COM. SEM. III & IV 2019  
PATTERN CREDIT SYSTEM/236/F-2023**

## **SAVITRIBAI PHULE PUNE UNIVERSITY**

**(Formerly University of Pune)**



**EXAMINATION CIRCULAR NO.236 OF. 2023**

**SECOND YEAR M.COM. SEM. III & IV 2019 PATTERN CREDIT SYSTEM**

**Examination of MAR/APR-2023**

**(Under Faculty of COMMERCE AND MANAGEMENT : A)COMMERCE)**

**INSTRUCTIONS FOR CANDIDATES**

- Candidates are required to be present at the examination centre, THIRTY MINUTES before the stipulated time.
- Candidates are forbidden from taking any material into the examination hall that can be treated as a malpractice.
- Candidates are requested to see the Notice Board at their center of examination regularly for changes if any that may be notified later in the program.
- No request shall be granted for change in time or date for the University Examination on any ground.
- Candidates are requested to note the Day, Date and Time of Paper.
- Candidates are permitted to use stencils at the time of examination.
- The exchanges of side-rules, drawing instruments of other materials used in the examination hall is not permitted at the time of examination. Candidates must bring their own instruments and will not be allowed to borrow from each other under any circumstances.
- Use of non-programmable battery operated electronic pocket size Calculator is allowed. The exchange of Calculators is not allowed. Electronics Devices including mobile are not allowed at the time of examination.
- The written examination will be conducted in the following order.

**M.Com 2019 Credit pattern****SEMESTE****R-  
III(TIME:3.00P  
MTto6.00PM)**

Day&Date	PaperCode	Subject
Tuesday2 0-06-2023	301	BUSINESSFINANCE
Wednesday 21-06-2023	302	RESEARCHMETHODOLOGYFORBUSINESS
Thursday 22-06-2023	303	ADVANCEDAUDITING
	305	LAWSRELATINGTOINTERNATIONALBUSINESS
	307	COSTAUDIT
	309	CO-OPERATIVECREDITSYSTEM
	311	ENTREPRENEURIALBEHAVIOUR
	313	HUMANRESOURCEMANAGEMENT
	315	FOREIGNEXCHANGE
	317	INTERNATIONALMARKETING
Friday23 -06-2023	304	SPECIALISEDAUDITING
	306	WTO-NORMS&PRACTICES
	308	MANAGEMENTAUDIT
	310	CO-OPERATIVEBANKINGSYSTEM
	312	ENTREPRENEURSHIP
	314	ORGANIZATIONALBEHAVIOUR
	316	INTERNATIONALFINANCE
	318	MARKETINGRESEARCH

**SEMESTER-IV****(TIME:11.00AMTo02.00PM)**

Day&Date	PaperCode	Subject
Tuesday2 0-06-2023	401	CAPITALMARKET&FINANCIALSERVICES



**Mula Education Society's**  
**ARTS, COMMERCE AND SCIENCE COLLEGE, SONAI**

Tal. Newasa, Dist- Ahmednagar – 414105



Ph.: 02427-231384 Email: sonaicollege@yahoo.co.in, mesacsccollege@gmail.com Website: www.acssonaicollege.com  
Affiliated to Savitribai Phule Pune University, Pune (I.D.PU/AN/ASC/031/1989)

NAAC Re-accredited with 'A' Grade, DBT Star College Scheme, ISO 9001: 2015 Certified, AISHE Code – C-42096

Wednesday 21-06-2023	402A	INDUSTRIALECONOMICENVIRONMENT
	402B	OPERATIONSRESEARCH
Thursday 22-06-2023	403	RECENTADVANCESINACCOUNTING,TAXATION&AUDITING
	405	RECENTADVANCESINCOMMERCIALLAWS&PRACTICES
	407	RECENTADVANCESINCOSTAUDITING&COSTSYSTEM
	409	RECENTADVANCESINCO-OPERATIVE&RURALDEVELOPMENT
	411	RECENTADVANCESINBUSINESSPRACTICES&ENVIRONMENT
	413	RECENTADVANCESINBUSINESSADMINISTRATION
	415	RECENTADVANCESINBANKING&FINANCE
	417	RECENTADVANCESINMARKETING

NOTE: -

1. The Backlog students of M.Com II Year 2013 Credit pattern will have to appear for equivalence subjects of 2019 pattern.

Ganeshkhind, Pune - 411 007

Ref.No/XCT:719

Date:09/06/2023

Director

Board of Examinations And  
Evaluation





Mula Education Society's

**ARTS, COMMERCE AND SCIENCE COLLEGE, SONAI**

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**Second Year M.Sc. Analytical Chemistry  
(PAT.2019)/161/F-2023**

## **SAVITRIBAI PHULE PUNE UNIVERSITY** (Formerly University of Pune)



**EXAMINATION CIRCULAR NO.161 OF. 2023**

**Second Year M.Sc. Analytical Chemistry (PAT.2019)**

**Examination of MAR/APR-2023**

**(Under Faculty of SCIENCE AND TECHNOLOGY : A)SCIENCE)**

### **INSTRUCTIONS FOR CANDIDATES**

- Candidates are required to be present at the examination centre, THIRTY MINUTES before the stipulated time.
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- The written examination will be conducted in the following order .



SEMESTER - IV

Time:-3.00 PM To 6.00 PM

Day&Date	PaperCode	Subject
Thursday1 5-06-2023	CHA-490	ADVANCED ANALYTICAL SPECTROSCOPIC TECHNIQUES
Friday16- 06-2023	CHA-491	CHEMICAL METHODS OF PHARMACEUTICALS ANALYSIS
Saturday17 -06-2023	CHA-492	A) LABORATORY AUTOMATION & ENVIRONMENTAL ANALYTICAL CHEMISTRY
	CHA-492	B) ANALYTICAL CHEMISTRY OF AGRICULTURE, POLYMER & DETERGENTS

SEMESTER - III

Time:-3.00 PM To 6.00 PM

Day&Date	PaperCode	Subject
Tuesday20 -06-2023	CHA-390	ELECTROCHEMICAL AND THERMOGRAVIMETRIC METHODS OF CHEMICAL ANALYSIS
Wednesday2 1-06-2023	CHA-391	ANALYTICAL METHOD DEVELOPMENT AND EXTRACTION TECHNIQUES
Thursday2 2-06-2023	CHA-392	ADVANCED CHROMATOGRAPHIC METHODS OF CHEMICAL ANALYSIS
Friday23- 06-2023	CHA-393	A) BIOANALYTICAL CHEMISTRY
	CHA-393	B) ANALYSIS OF FOOD AND CONTROLLED SUBSTANCES

NOTE: -

1. The Backlog Students of M.Sc. Analytical Chemistry 2013 pattern will have to appear for equivalence subject of 2019 pattern.

Ganeshkhind, Pune - 411 007

Ref.No/XCT:

Date:12/05/2023

Director



## Board of Examinations and Evaluation Assment Program Order For Faculties-

To,

**Pawar Vishal Maruti**


College: Mula Education Society Arts Commerce and Science College Addr: Post Sonai Ta: Nevasa  
Dist: Ahmednagar

Mobile No. : 9960338415

Email : pvishal30@gmail.com

Sir/ Madam,

You have been appointed for Central Assessment Programme (CAP) details as follows

Post Name	Examination	Paper / Subject	Chairman	Schedule Date
Examiner  CAP Appt No. 2210530294	M.Sc. ( Sem I to IV ) 2019 Pattern  (Theory)  BOS:Chemistry  	Exam - M.Sc. ( Sem I to IV ) 2019 Pattern Paper-Analytical Chemistry ,(Theory)	<b>Shinde Dnyaneshwar Rambhau</b> Pune Jilha Shikshan Mandal Prof. Ramkrishna More Arts Commerce and Science College Addr: Sec No 28 Ganganagar Akurdi Pradhikaran pune Ta: Pimpri Chinchwad (corporation Area) Dist: Pune <b>9881350383</b>	From : 26/07/2022

<b>CAP Center Name &amp; Address</b>	: Ahmadnagar Jilha Maratha Vidya Prasarak Samaj New Arts Commerce And Science College Addr: Lal Taki Road Ta: Ahmednagar Dist: Ahmednagar
<b>Telephone No.</b>	: 0241-2324024
<b>Email Id</b>	: newartsnagar77@gmail.com
<b>CAP Director</b>	: <b>Name:</b> Bhaskar Hari Zaware <b>Contact Person Mob No.:</b> 9860261816

Please note that As per Maharashtra Public Universities Act, 2016 It shall be obligatory on every teacher and on the non-teaching employee of the university, affiliated, conducted or autonomous college or recognized institution to render necessary assistance and service in respect of examinations of the university. If any teacher or non-teaching employee fails to comply with the order of the university or college or institution, in this respect, it shall be treated as misconduct and the employee shall be liable for disciplinary action".

I seek your co-operation.

Thanking You

Yours faithfully,

**For CAP Director**

To,  
The Principal/Directors,

You are requested to relieve the teachers for paper setting. Also requested to communicate names of the teacher/s who remain absent for the work of paper setting, the said information is required for submission to the University Authorities for necessary action under the provisions of section 48(4) of the Maharashtra Universities Act,2016.

For early payment of examination work remuneration through ECS, you are requested to update your BCUD online teacher profile with financial details. Also submit printed copy of same at the time of paper setting meeting. For details contact 02025601235

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**Mula Education Society's**  
**ARTS, COMMERCE AND SCIENCE COLLEGE, SONAI**  
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To,

**Kardile Pravin Dattatray**


**College:** Mula Education Society Arts Commerce and Science College Addr: Post Sonai Ta: Nevasa  
 Dist: Ahmednagar

**Mobile No. :** 9766789503

**Email :** pdkardile@gmail.com

Sir/ Madam,

You have been appointed for Central Assessment Programme (CAP) details as follows

Post Name	Examination	Paper / Subject	Chairman	Schedule Date
Examiner  <b>CAP Appt No.</b> 2310610122	T.Y.B.Sc. 2019 Pattern (Theory) BOS:Chemistry 	Exam - T.Y.B.Sc. 2019 Pattern , Subject-Inorganic Chemistry- I,II,III ,(Theory)	<b>Gugale Gulab Sheshmal</b> The P.G.K. Mandal H.V.Desai College Addr: Desai Brothers Vidyabhavan 596 Budhavar Peth Ta: Pune (corporation Area) Dist: Pune <b>9422944333</b>	From : 26/06/2023

<b>CAP Center Name &amp; Address :</b>	Mula Education Society Arts Commerce and Science College Addr: Post Sonai Ta: Nevasa Dist: Ahmednagar
<b>Telephone No. :</b>	02427-299384
<b>Email Id :</b>	sonaicollege@yahoo.co.in
<b>CAP Director :</b>	<b>Name:</b> Shankar Laxman Laware <b>Contact Person Mob No.:</b> 7058039095

Please note that As per Maharashtra Public Universities Act, 2016 It shall be obligatory on every teacher and on the non-teaching employee of the university, affiliated, conducted or autonomous college or recognized institution to render necessary assistance and service in respect of examinations of the university. If any teacher or non-teaching employee fails to comply with the order of the university or college or institution, in this respect, it shall be treated as misconduct and the employee shall be liable for disciplinary action".

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To,

**Kardile Pravin Dattatray**


**College:** Mula Education Society Arts Commerce and Science College Addr: Post Sonai Ta: Nevasa  
Dist: Ahmednagar

**Mobile No. :** 9766789503

**Email :** pdkardile@gmail.com

Sir/ Madam,

You have been appointed for Central Assessment Programme (CAP) details as follows

Post Name	Examination	Paper / Subject	Chairman	Schedule Date
Examiner  <b>CAP Appt No.</b> 2311011239	M.Sc. ( Sem I to IV ) 2019 Pattern  (Theory)  BOS:Chemistry  	Exam - M.Sc. ( Sem I to IV ) 2019 Pattern Paper-Analytical Chemistry ,(Theory)	<b>Shinde Dnyaneshwar Rambhau</b> Pune Jilha Shikshan Mandal Prof. Ramkrishna More Arts Commerce and Science College Addr: Sec No 28 Ganganagar Akurdi Pradhikaran pune Ta: Pimpri Chinchwad (corporation Area) Dist: Pune <b>9881350383</b>	From : 18/06/2023

<b>CAP Center Name &amp; Address</b>	Jayawant Shikshan Prasarak Mandal Jayawantrao Sawant Commerce & Science College Addr: Sr No 58 Handewadi Road Satavnaagar Hadapsar Pune PIN 411028 Ta: Pune (corporation Area) Dist: Pune
<b>Telephone No.</b>	: 7722045403
<b>Email Id</b>	: principal@jspmjscocs.edu.in
<b>CAP Director</b>	<b>Name:</b> Harishchandra Ramchandra Kulkarni <b>Contact Person Mob No.:</b> 9822757075

Please note that As per Maharashtra Public Universities Act, 2016 It shall be obligatory on every teacher and on the non-teaching employee of the university, affiliated, conducted or autonomous college or recognized institution to render necessary assistance and service in respect of examinations of the university. If any teacher or non-teaching employee fails to comply with the order of the university or college or institution, in this respect, it shall be treated as misconduct and the employee shall be liable for disciplinary action".

I seek your co-operation.

Thanking You

Yours faithfully,

**For CAP Director**

To,

**The Principal/Directors,**

You are requested to relieve the teachers for paper setting. Also requested to communicate names of the teacher/s who remain absent for the work of paper setting, the said information is required for submission to the University Authorities for necessary action under the provisions of section 48(4) of the Maharashtra Universities Act,2016.

For early payment of examination work remuneration through ECS, you are requested to update your BCUD online teacher profile with financial details. Also submit printed copy of same at the time of paper setting meeting. For details contact 02025601235

THIS IS A COMPUTER-GENERATED DOCUMENT AND IT DOES NOT REQUIRE A SIGNATURE. THIS DOCUMENT SHALL NOT BE INVALIDATED SOLELY ON THE GROUND THAT IT IS NOT SIGNED.



Mula Education Society's

ARTS, COMMERCE AND SCIENCE COLLEGE, SONAI

Tal. Newasa, Dist- Ahmednagar - 414105



Ph.: 02427-231384 Email: sonaicollege@yahoo.co.in, mesacsccollege@gmail.com Website: www.acssonaicollege.com

Affiliated to Savitribai Phule Pune University, Pune (I.D.PU/AN/ASC/031/1989)

NAAC Re-accredited with 'A' Grade, DBT Star College Scheme, ISO 9001: 2015 Certified, AISHE Code - C-42096

### Attendance Sheet of University Examinations

(30)

**Savitribai Phule Pune University, Pune - 7**  
Examination of First / Second Half of the Year  
Junior Supervisor / Attendance Report

Sr. No. 8882072  
Form - 01

College Code 0197

Date: 20/04/23

Instruction: Separate report is to be used for each Pattern, Exam, Semester, Subject and Section as applicable.

Exam & Branch: T.Y. BSc. Chemistry March / April 2022-23

Semester: 5 Exam Center: A.C.S. college, sonai Block No: 01

Subject Name: Industrial chemistry Paper: - I Section: -

Note: Seat no., sticker no. is to be written by candidate only. Jr. Supervisors are not supposed to write this information.

Sl. No.	Seat No.	Barcode Sticker No	Signature of Student	No. of Supplements Used
1	38288	3525153	Budlekar	
2	38290	3525154	Forga	
3	38293	3525155	Komath	
4	38295	3525156	Daburkar	1
5	38296	3525157	Dandale P.S	
6	38297	3525158	Chaitany.	
7	38298	3525159	Poojig	
8	38299	3525160	Duchita	
9	38300	3525161	V.M. Dushing	
0	38301	3525162	Mojig	
1	38302	3525163	Pratikwad.	
2	38303	3525164	Vaishnavy	
3	38304	3525165	Gawali.s.s.	
4	38305	3525166	Eny.	
5	38307	3525167	Jadhav On	
6	38308	3525168	(P) Adhal	
7	38309	3525169	Adhyay	
8	38311	3525170	Rishi	
9	38314	3525171		
0	38316	3525172	Jawale	
1	38317	3525173	Shikade	
2	38318	3525174	Shikade	
3	38320	3525175	Komath	
4	38321	3525176	BB	
5	38322	3525177	Deshm	
6	38324	3525178	Pratik	
7	38325	3525179	Pratik	
8	38327	3525180	Pratik	
9	38333	3525181	Pratik	
0	38335	3525182	C.M.S	01

PPUP-5,00,000-1-2020 (349) [3'exam]



Mula Education Society's

**ARTS, COMMERCE AND SCIENCE COLLEGE, SONAI**

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NAAC Re-accredited with 'A' Grade, DBT Star College Scheme, ISO 9001: 2015 Certified, AISHE Code – C-42096

**Details of Unfair Means Cases :**

No.	Seat No.	Remark	S. No.	Seat No.	Remark
1			4		
2			5		
3			6		

Note : Answer Books for all Unfair Means Cases should be sent directly to University in sealed envelopes.

**Details of Emergency Barcode Stickers used :**

sr. No.	Seat No.	Barcode Sticker No	Sem.	Sign of Student	Remark
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13				Nil	
14					
15					
16					

**Important instructions:**

Unused bar code stickers (may be because of center change / change in subject or any other reason) have to be pasted at appropriate space provided on the Form 2. No sticker shall be kept at exam center.

For absentee of student, whose bar code is not received, it is not necessary to use emergency bar code. Absentee will be considered automatically.

Header sticker on bar code sticker sheet is to be pasted on Form 2.

Form 1 is to be kept with exam center and Form 2 is to be submitted to CAP center with Answer Books.

**Summary :**

Present Students	Emergency Sticker Used	Absent Students	Unfair Means Cases	Total Answer books with Form 1 sent to CAP Centre
36	-	00	-	36

*[Signature]*  
20/06/23  
Prof. Kadam M.B.

Name & Sign. of  
Jr. Supervisor

*[Signature]*  
20/6/2023  
Dr. S. S. Desai

Name & Sign. of  
Sr. Supervisor (Internal)

*[Signature]*  
20/06/23  
A.M. Dahatonde

Name & Sign. of  
Sr. Supervisor (External)



Mula Education Society's

ARTS, COMMERCE AND SCIENCE COLLEGE, SONAI

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Savitribai Phule Pune University, Pune - 7
Examination of First / Second Half of the Year
Junior Supervisor / Attendance Report

Sr. No. 3832013

Form - 01

Note: Separate report is to be used for each Pattern, Exam, Semester, Subject and Section as applicable.

College Code 0197

Exam & Branch: T.Y. BSC March 2023

Date: 200623

Semester: V Exam Center: ACS College Sonai

Block No: 02

Subject Name: CH-505 Industrial Chemistry-I Paper: 35135 Section:

Note: Seat no., sticker no. is to be written by candidate only. Jr. Supervisors are not supposed to write this information.

Table with 4 columns: Sr. No., Seat No., Barcode Sticker No, Signature of Student, No. of Supplements Used. Rows 1-7 contain student data, rows 8-30 are crossed out.





**Details of Unfair Means Cases :**

Sl. No.	Seat No.	Remark	S. No.	Seat No.	Remark
			4		
			5		
			6		

Note : Answer Books for all Unfair Means Cases should be sent directly to University in sealed envelopes.

**Details of Emergency Barcode Stickers used :**

S. No.	Seat No.	Barcode Sticker No	Sem.	Sign of Student	Remark
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

**Important instructions:**

Unused bar code stickers (may be because of center change / change in subject or any other reason) have to be pasted at appropriate space provided on the Form 2. No sticker shall be kept at exam center.

For absentee of student, whose bar code is not received, it is not necessary to use emergency bar code. Absentee will be considered automatically.

Header sticker on bar code sticker sheet is to be pasted on Form 2.

Form 1 is to be kept with exam center and Form 2 is to be submitted to CAP center with Answer Books.

**Summary :**

Present Students	Emergency Sticker Used	Absent Students	Unfair Means Cases	Total Answer books with Form 1 sent to CAP Centre
07	-	-	-	07

Madane S.R.  
 Name & Sign. of  
 Jr. Supervisor

Dr. S.S. Darade  
 20/06/2023  
 Name & Sign. of  
 Sr. Supervisor (Internal)

A.S. Dahatonde  
 20/06/2023  
 Name & Sign. of  
 Sr. Supervisor (External)



Mula Education Society's

**ARTS, COMMERCE AND SCIENCE COLLEGE, SONAI**

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**Savitribai Phule Pune University, Pune - 7**  
 Examination of First / Second Half of the Year  
 Junior Supervisor / Attendance Report

Sr. No.

Note : Separate report is to be used for each Pattern, Exam, Semester, Subject and Section as applicable.

College Code

Exam & Branch : S.Y. B.Sc. March/April 2022-23 Date : 07/07/23

Semester : 3 Exam Center : A.C.S. college, sonai Block No : 01

Subject Name : Botany Paper : I Section :

\* Note : Seat no., sticker no. is to be written by candidate only. Jr. Supervisors are not supposed to write this information.

Sr. No.	Seat No.	Barcode Sticker No	Signature of Student	No. of Supplements Used
1	38188	3385000	Janyja	
2	38189	3385001	Ajashvi	
3	38191	3385002	Arundha	
4	38193	3385003	Aishwarya	
5	38194	3385004	Manali	
6	38198	3385005	Arshvika	
7	38200	3385006	Shrutika	
8	38207	3385007	N.K Inamdar	
9	38208	3385008	Adi	
10	38218	3385009	Sujata	
11	38221	3385009	Adi	
12	38223	3385010	Adi	
13	38224	3385012	Shubham	
14	38230	3385013	Arushi	
15	38232	3385014	Pravara	
16	38237	3385015	Aditya	
17	38238	3385016	Prerana	
18	38240	3385017	Shikha	
19	38241	3385018	Anya	
20	38246	3385019	Varsha	
21	38248	3385020	Adi	
22	38251	3385022	Quinn	
23	38252	3385023	Kaushik	
24	38253	3385024	Pragya	
25	38254	3385025	Sonali	
26				
27				
28				
29				
30				

SPPUP-1,00,000-12-2022 (892) [6exam]



**Mula Education Society's**  
**ARTS, COMMERCE AND SCIENCE COLLEGE, SONAI**

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 NAAC Re-accredited with 'A' Grade, DBT Star College Scheme, ISO 9001: 2015 Certified, AISHE Code – C-42096

**Details of Unfair Means Cases :**

S. No.	Seat No.	Remark	S. No.	Seat No.	Remark
1			4		
2			5		
3			6		

**Note :** Answer Books for all Unfair Means Cases should be sent directly to University in sealed envelopes.

**Details of Emergency Barcode Stickers used :**

Sr. No.	Seat No.	Barcode Sticker No	Sem.	Sign of Student	Remark
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12		A		Nil	
13					
14					
15					
16					

**Important instructions:**

- i) Unused bar code stickers (may be because of center change / change in subject or any other reason) have to be pasted at appropriate space provided on the Form 2. No sticker shall be kept at exam center.
- ii) For absentee of student, whose bar code is not received, it is not necessary to use emergency bar code. Absentee will be considered automatically.
- iii) Header sticker on bar code sticker sheet is to be pasted on Form 2.
- iv) Form 1 is to be kept with exam center and Form 2 is to be submitted to CAP center with Answer Books.

**Summary :**

Present Students	Emergency Sticker Used	Absent Students	Unfair Means Cases	Total Answer books with Form 1 sent to CAP Centre
25 -	-	02		25 -

*K. M. B.*  
 07/07/23  
**Prof. Kedar M.B.**  
 Name & Sign. of  
 Jr. Supervisor

*D. S. S. Dabholkar*  
 07/07/23  
**D. S. S. Dabholkar**  
 Name & Sign. of  
 Sr. Supervisor (Internal)

*A. M. Dabholkar*  
 07/07/23  
**A. M. Dabholkar**  
 Name & Sign. of  
 Sr. Supervisor (External)



## 7. Student Feedback

The purpose of feedback in the assessment and learning process is to improve a student's performance it reinforces their educational performance and gives them the confidence to continue working hard.

College follow ISO standard for quality management systems, which provides the framework for a quality, assured educational system that offers educational products and services.

*Mula Education Society's*  
**Arts, Commerce & Science College, Sonai.**  
ISO 9001: 2015 ACADEMIC PROCESS MANUAL

ACA/PR/19	Student Feedback & Complaints		
Rev.: 00 Date: 15.06.2018	Clause: 9.1.2, 10.2		Page: 01 / 01
<b>Input</b>	Prescribed printed feedback forms, admitted students		
Sr. No.	Activity	Owner	Process Out put
<b>A</b>	<b>Student Feedback</b>		
01	Filling the feedback forms from students	HOD	Student feedback form
02	Collecting the feedback forms	HOD	--
03	Analysis of the feedback forms	HOD	Student feedback analysis report
04	Submitting the report to Principal	HOD	--
05	Taking action such as counseling of the faculties having poor rating, appreciation of the faculties having rating more than the target score.	Principal	Letter
<b>B</b>	<b>Student Complaints</b>		
01	Collect the complaints through suggestion boxes once in 15 days.	Grievance cell in-charge	--
02	Also receive the student's complaints through interaction with student / parents. Communicate the complaints receives to the grievance cell in-charge.	Faculty	--
03	Record the details of the complaints received such as name of the students and nature of the complaints	Grievance cell in-charge	Student complaint register
04	Arrange the grievance cell committee meeting on monthly basis.	Grievance cell in-charge	--
05	Discuss and analyze the complaint received. Initiate proper corrective actions for resolution of the complaints.	Grievance cell in-charge	Student complaint register
06	During MRM (Conducted once in six months), present the data of student complaints and actions initiated if any.	Grievance cell in-charge	Minutes of MRM
<b>Output</b>	Improvement in the student satisfaction, resolution of student complaints		



### 8. ISO Processing Manual 14000

ISO is a quality management system that aims to standardize education management to ensure it meets learners' needs. It's intended to help schools; colleges, training providers and other educational organizations implement best practice.

<https://acscollegesonai.edu.in/iso/>

Mula Education Society's Arts, Commerce & Science College, Sonai		Documented Information on Risks and Opportunities											
Process		Department - Library											
Sr. No.	Activity	Sub-activity	Risk / Opportunity	Quality (Q) / Service Delivery (D)	Severity (S)	Probability (P)	Risk Rating (S x P)	Risk Level	Action Plan	Responsibility	Evaluation of Effectiveness of action	Cross Reference	
												Control Procedure	Improvement Programme
1	Purchasing of library books	Purchasing of library books	Unavailability of Books required as per syllabus (R)	D	2	1	2	Tolerable	1) Verification of books as per the syllabus before semester 2) Purchase of books from other suppliers 3) Issue of reference books to staff/ students	All HODs Librarian	No. of staff / student complaints of non availability of all books as per syllabus in library	LIB/PR/05	-
2	Receipt of purchased books	Receipt of purchased books	Any short quantity of books / damaged books / not required books / replacement is not given by the supplier (R)	O & D	2	1	2	Tolerable	Recording of observations regarding damaged / short quantity / not required books at the time of book receipt on supplier invoice	Librarian	Books replacement by supplier or payment deduction of supplier	LIB/PR/05	-
3	Books and periodicals preservation	Books and periodicals preservation	Books getting damaged in library due to termites (R)	D	2	1	2	Tolerable	Pest control of library during summer vacation	Librarian and Staff	Books found damaged due to termites in annual verification	LIB/PR/07	-
4	Books and periodicals circulation	Book issue and return	Books not returned / delayed return by the user (R)  Opportunity to increase the reading habits of the users (O)	D	2	2	4	Moderate	Monitoring of the books return by the users during book circulation Also monitored during student annual clearance and issuance of No Dues Certificate to users only after ensuring no dues of library at the time of leaving the college  Quality objective is defined for monitoring increase the number of library users	Librarian	No. of books found missing / not returned in annual physical inventory of library  Review of library users on monthly basis	LIB/PR/07	-

Prepared by: \_\_\_\_\_ Approved By: \_\_\_\_\_ Master copy stamp: \_\_\_\_\_



## 9. Master Time Table

### 1. Arts



Mula Education Society's  
**Arts, Commerce & Science College, Sonai.**  
**Arts Faculty**

ACA – R-21  
 Rev : 00  
 Date: 15.06.2018

Academic Year: 2022-23

Time Table

Semester: I/III/V

With Effect From : July 2022

Sr.	Time	Class	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	8.00 am to 8.50	FYBA	Comp.Eng (4)	Comp.Eng (4)	Comp.Eng (4)	Hindi .G1(11)/Eco G1(4)	Hindi .G1(11)/Eco G1(4)	Hindi .G1(11)/Eco G1(4)
		SYBA	All Spl-1	All Spl-1	All Spl-1	All Spl-2	All Spl-2	All Spl-2
		TYBA	History G3(12)	History G3(12)	History G3(12)	Comp.Eng (12)	Comp.Eng (12)	Comp.Eng (12)
2	8.50 am To 9.40 am	FYBA	Political Sci. –G1(4)	Political Sci. –G1(4)	Political Sci. –G1(4)	History G1(4)	History G1(4)	History G1(4)
		SYBA	History G2(3)	History G2(3)	History G2(3)	Comp.Eng (3)	Comp.Eng (3)	Comp.Eng (3)
		TYBA	All Spl -S3	All Spl -S3	All Spl -S3	All Spl -S4	All Spl -S4	All Spl -S4
SHORT-RECESS								
3	9.40 am to 9.50 am	FYBA	Marathi –G1(4)	Marathi –G1(4)	Marathi –G1(4)	Geography G1(4) Optional Eng.G1(37)	Geography G1(4) Optional Eng.G1(37)	Geography G1(4) Optional Eng.G1(37)
		SYBA	Marathi –G2(3)	Marathi –G2(3)	Marathi –G2(3)	Geography G2(3)	Geography G2(3)	Geography G2(3)
		TYBA	Geography G3(12)	Geography G3(12)	Geography G3(12)	Marathi G3(12)	Marathi G3(12)	Marathi G3(12)
4	10.40 am To 11.30 am	FYBA	Skill- Based Course	Value- Added Course	Add-on Course	Physical Education	Physical Education	-----
		SYBA	Political Sci. –G2(3)	Political Sci. –G2(3)	Political Sci. –G2(3)	HindiG2(16)/Eco-G2(3), English G2(37)	HindiG2(16)/Eco-G2(3), English G2(37)	HindiG2(16)/Eco-G2(3) English G2(37)
		TYBA	Hindi G3/ (16) Economics G3(12) English G3(37)	Hindi G3/ (16) Economics G3(12) English G3(37)	Hindi G3/ (16) EconomicsG3(12) English G3(37)	Political Sci. – G3(12)	Political Sci. – G3(12)	Political Sci. –G3(12)
5	11.30 am To 12.20 pm	FYBA	---	---	---	---	---	---
		SYBA	SEC/AOC/VAC	SEC/AOC/VAC	MIL	MIL	Environment Awareness	Environment Awareness
		TYBA	SEC	SEC	AOC/VAC	AOC/VAC	---	---

SEC=Skill Enhancement Course, AOC=Add-On Course, VAC= Value-Add Course& MIL= Modern Indian Languages.

In-charge

Vice-Principal  
 Mula Education Society's  
 Art's, Commerce & Science College  
 Sonai, Tal. Newasa, Dist. Ahmednagar, Pin-414105

PRINCIPAL  
 Mula Education Society's  
 Arts, Commerce & Science College, Sonai  
 Tal. Newasa, Dist. Ahmednagar Pin. 414105



## Master Time Table 2. Commerce



Mula Education Society's  
**Arts, Commerce & Science College, Sonai.**  
Department of Commerce (UG)

ACA – R- 21	<b>Master Time Table</b>	Academic Year: 2022-23
Rev : 00	<b>(Master Time Table, Faculty wise for Theory &amp; Practical)</b>	Semester: I /III
Date: 15.06.2018		

Ref: Ref: MES/ACSC/ACA/ /

Date:

Sr.No	Time	Class	Room No.	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1.	8.00 am to 8.50 am	FYBCom	31	Marketing	Marketing	Marketing	Marathi	Marathi	Marathi
		SYBCom	32/12	B.C	B.C	B.C	Bank/Mar-I	Bank/Mar-I	Bank/Mar-I
		TYBCom	35	A/c	A/c	A/c	Aud & Tax	Aud & Tax	Aud & Tax
2.	8.50 am to 9.40 am	FYBCom	31	F. English	F. English	F.English	Fin.A/C	Fin.A/C	Fin.A/C
		SYBCom	32	C. Law	C. Law	C.Law	B.M.	B.M.	B.M.
		TYBCom	35/12	Ind. Eco	Ind.Eco	Ind.Eco	BRF	BRF	BRF
9.40 a.m. to 9.50 am									
SHORT- RECESS									
3.	9.50 am to 10.40 am	FYBCom	31	Bus.Eco	Bus. Eco	Bus.Eco	Math & Stat	Math & Stat	Math & Stat
		SYBCom	32	Corporate. A/C	Corporate. A/C	Corporate.A/C	Bus.Eco	Bus.Eco	Bus.Eco
		TYBCom	35/12	Bank/Mar-II	Bank/Mar-II	Bank/Mar-II	Bank/Mar-III	Bank/Mar-III	Bank/Mar-III
4.	10.40 am to 11.30 am	FYBCom	31	Banking	Banking	Banking	Marathi	VAC	B.Eco
		SYBCom	32	C.Law	B.Eco	Corporate.A/C	B.C.	Bank/Mar-I	B.M.
		TYBCom	35/12	A/c	Bank-II	I.Eco	Bank/Mar-III	Aud & Tax	B.R.F.
5.	11.30 am to 12.20 pm	FYBCom	31	Marketing	AOC	AOC	Banking	Math & Stat	Fin. A/c
		SYBCom	32	AECC Env. A (AOC)	AECC Env. A (AOC)	-	-	AOC	VAC
		T.Y.B.Com	35	-	Marketing-II	AOC	VAC	-	-
6.	12.20 pm to 1.10 pm	F.Y.B.Com		-	COC	Democracy, Election and Governance	-	F.English	--

In charge

Vice Principal  
Mula Education Society's  
Arts, Commerce & Science College  
Sonai, Tal. Newasa, Dist. Ahmednagar, Pin-414105

PRINCIPAL  
Mula Education Society's  
Arts, Commerce & Science College, Sonai  
Tal. Newasa, Dist. Ahmednagar Pin 414105



## Master Time Table

### 3. Science

Mula Education Society's  
**Arts, Commerce & Science College, Sonai**  
 Department of Science and Technology

---

ACA – R- 21  
 Rev : 00  
 Date: 15.6.2018

**Science Faculty Master Time Table Theory (UG)**  
**CBCS-2019 pattern**

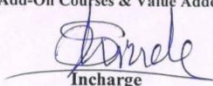
Academic Year: 2022-23  
 Semester: I/III/V

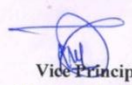
Date: 07/07/2022


Sr. No	Time	Class	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	8.00am to 8.50am	F.Y.B.Sc S.Y.B.Sc T.Y.B.Sc	Math.I/Zoo.I Chem. I Chem. I/Bot. I/ Phy. I/ Math. I/Geo. I	Math. I/Zoo. I Chem. I Chem. I/Bot. I/ Phy. I/ Math. I/Geo. I	Math. I/Zoo. I Chem. I Chem. I/Bot. I/ Phy. I/ Math. I/Geo. I	Math. II/Zoo. II Chem. II Chem. V/Bot. V/ Phy. V/ Math. V/Geo. V	Math. II/Zoo. II Chem. II Chem. V/Bot. V/ Phy. V/ Math. V/Geo. V	Math. II/Zoo. II Chem. II Chem. V/Bot. V/ Phy. V/ Math. V/Geo. V
2	8.50am to 9.40am	F.Y.B.Sc S.Y.B.Sc T.Y.B.Sc	Phy. I/Geo. I Bot. I / Math. I Chem. III/Bot. III/ Phy. III/Math. III/ Geo. III	Phy. I/Geo. I Bot. I/Math. I Chem. III/Bot. III/ Phy. III/Math. III/ Geo. III	Phy. I/Geo. I Bot. I / Math. I Chem. III/Bot. III/ Phy. III/Math. III/ Geo. III	Phy. II/Geo. II Bot. II / Math. II Chem. VI/Bot. VI/ Phy. VI/Math. VI/ Geo. VI	Phy. II/Geo. II Bot. II / Math. II Chem. VI/Bot. VI/ Phy. VI/Math. VI/ Geo. VI	Phy. II/Geo. II Bot. II / Math. II Chem. VI/Bot. VI/ Phy. VI/Math. VI/ Geo. VI
<b>09.40am. to 09.50am. SHORT RECESS</b>								
3	9.50am to 10.40am	F.Y.B.Sc S.Y.B.Sc T.Y.B.Sc	Chem. I Phy. I/Zoo. I Chem. II/ Bot. II/ Phy. II/Math. II/ Geo. II	Chem. I Phy. I/Zoo. I Chem. II/ Bot. II/ Phy. II/Math. II/ Geo. II	Chem. I Phy. I/Zoo. I Chem. II/ Bot. II/ Phy. II/Math. II/ Geo. II	Chem. II Phy. II/Zoo. II Chem. II/ Bot. II/ Phy. VI/Math. VI/ Geo. VI	Chem. II Phy. II/Zoo. II Chem. II/ Bot. II/ Phy. VI/Math. VI/ Geo. VI	Chem. II Phy. II/ Zoo. II Chem. II/ Bot. II/ Phy. VI/Math. VI/ Geo. VI
4	10.40am to 11.30am	F.Y.B.Sc S.Y.B.Sc T.Y.B.Sc	Bot-I Geo-I SEC-III	Bot-I Geo-I SEC-III	Bot-I Geo-I SEC-III	Bot. II Geo- II SEC-IV	Bot. II Geo- II SEC-IV	Bot. II Geo- II SEC-IV
5	11.30am to 12.20pm	F.Y.B.Sc S.Y.B.Sc T.Y.B.Sc	--- Mar. (MNV)/Eng. (VMG) AOC & VAC	--- Mar./Eng. AOC & VAC	AOC & VAC Mar./Eng. ---	AOC & VAC EVS ---	--- EVS ---	--- EVS ---
6	12.20pm to 1.10pm	S.Y.B.Sc	---	---	---	---	AOC & VAC	AOC & VAC

FYBSc – Classroom No. 19/13
SYBSc – Classroom No. 20/14
TYBSc Chemistry/Botany/Physics/Geography – Classroom No. 21/11/12/38

AOC & VAC= Add-On Courses & Value Added Courses SEC = Skill Enhancement Courses, EVS- Environment Studies

  
**Incharge**

  
**Vice Principal**  
 Vice Principal  
 Mula Education Society's  
 Arts, Commerce & Science College, Sonai  
 Tal. Newasa, Dist. Ahmednagar Pin 414105

  
**Principal**  
 Principal  
 Mula Education Society's  
 Arts, Commerce & Science College  
 Sonai, Tal. Newasa, Dist. A'Nagar



## 10. ICT Framework Photograph

ICT enables the use of innovative educational resources and the renewal of learning methods, establishing a more active collaboration of students and the simultaneous acquisition of technological knowledge.

### Smart Classrooms with L.C.D. Projector / Interactive Boards / Smart T.V.



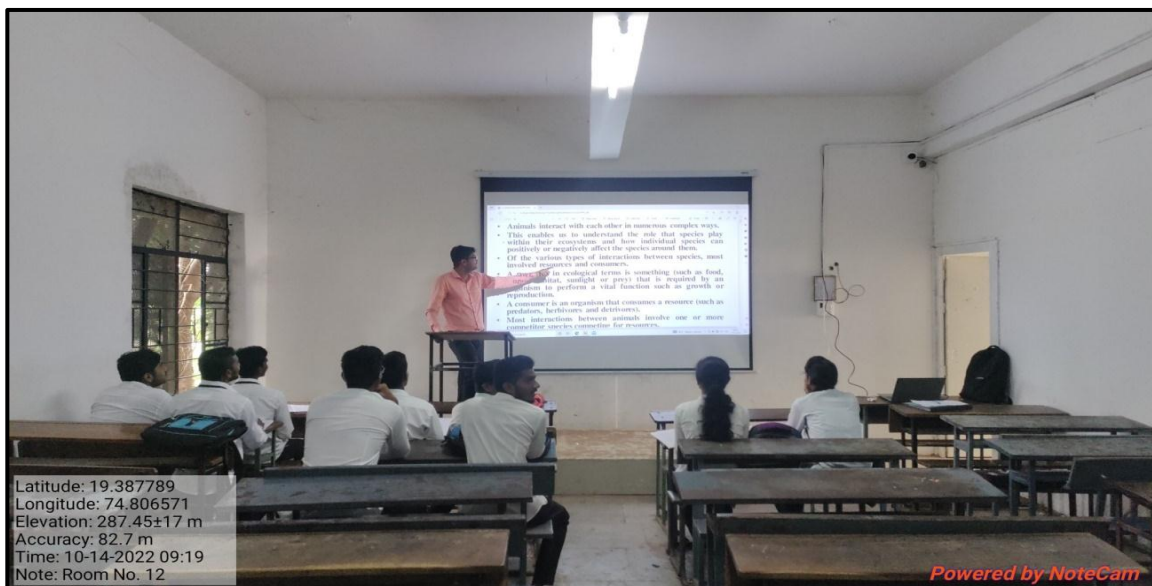
Academic Building- 1: Class Room No. 03



Academic Building- 1: Class Room No. 04



Academic Building- 1: Class Room No. 11

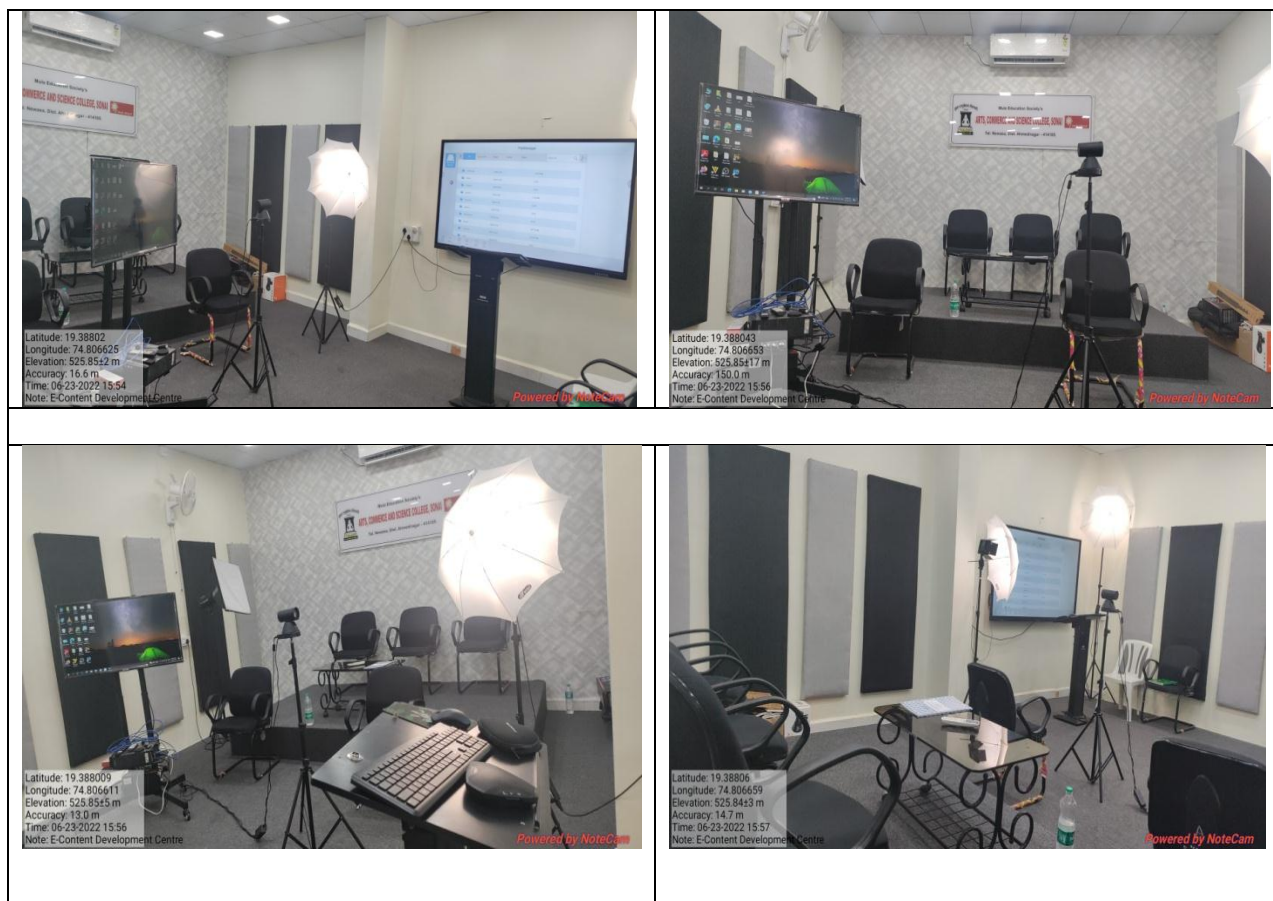


Academic Building- 1: Class Room No. 12



## 11. E- Content Development Center

After the pandemic our college realized the importance of E- resources in education. E-content is a pioneering application of computer in the teaching and learning process. It includes text, video, audio, animation and graphics. E-content is the innovation of technology to design, deliver, select, administer and extend learning.



E- Content Development Center

## 12. Library Photograph

Important outcomes of having a library at an educational institution is fostering reading habits in the students. Students who want to or are interested in reading can make use of the library either for leisure reading or for looking up information for projects, assignments, etc.



Library



### 13. List of Video Lecture

Sr.No	Name of Lecturer	Topic	Date	Video Link
1.	Dr. H.K Sadekar	A Lecture on Physics of Atoms Part-1	1 Jun 2022	<a href="https://youtu.be/whSrGGIL7v0">https://youtu.be/whSrGGIL7v0</a>
2.	Dr. H.K Sadekar	A Lecture on Physics of Atoms Part-2	2 Jun 2022	<a href="https://youtu.be/mTjhPet2hkY">https://youtu.be/mTjhPet2hkY</a>
3.	Dr. H.K Sadekar	A Lecture on Physics of Atoms Part-5	3 Jun 2022	<a href="https://youtu.be/YgWUWJLF5Ek">https://youtu.be/YgWUWJLF5Ek</a>
4.	Dr. H.K Sadekar	A Lecture on Physics of Atoms Part-6	3 Jun 2022	<a href="https://youtu.be/IuM9VKwdQys">https://youtu.be/IuM9VKwdQys</a>
5.	Dr. H.K Sadekar	A Lecture on Physics of Atoms Part-7	3 Jun 2022	<a href="https://youtu.be/mkaq_eoDUyI">https://youtu.be/mkaq_eoDUyI</a>
6.	Dr. H.K Sadekar	A Lecture on Physics of Atoms Part-8	3 Jun 2022	<a href="https://youtu.be/x0MuiEPYhfg">https://youtu.be/x0MuiEPYhfg</a>
7.	Dr. A.Bhamre	"माझीवसंधराअभियान"पर्यावरणजनजागृतीवस्वछतासप्ताहसमा रोपसमारंभ	13 Jun 2022	<a href="https://youtu.be/xtR7MlrQMtQ">https://youtu.be/xtR7MlrQMtQ</a>
8.	Mr.H.Pandit	महाराष्ट्रगीतगायन   शिवस्वराज्यदिन	16 Jun 2022	<a href="https://youtu.be/evOOCMd_Hf0">https://youtu.be/evOOCMd_Hf0</a>
9.	Mr.H.Pandit	माझ्याराजारंगायन	16 Jun 2022	<a href="https://youtu.be/_yWbgeQV8AI">https://youtu.be/_yWbgeQV8AI</a>
10.	Mr.H.Pandit	हीमायभूमीगायन	16 Jun 2022	<a href="https://youtu.be/gJj2YOoqNMs">https://youtu.be/gJj2YOoqNMs</a>
11.	Dr. H.K. Sadekar	A Lecture on Lasers and Laser Applications Part-1	16 Jun 2022	<a href="https://youtu.be/Qz64wVQQYyk">https://youtu.be/Qz64wVQQYyk</a>
12.	Ms.N. Thorat, R Darade, S Mokashi	राष्ट्रगीतगायन	21 Jun 2022	<a href="https://youtu.be/ZuhVkrCW1So">https://youtu.be/ZuhVkrCW1So</a>
13.	Dr. H.K Sadekar	A Lecture on Lasers and Laser Applications Part-2	5 July 2022	<a href="https://youtu.be/d1e5Dx71jII">https://youtu.be/d1e5Dx71jII</a>
14.	Dr. H.K Sadekar	A Lecture on Lasers and Laser Applications Part-3	6 July , 2022	<a href="https://youtu.be/7Yt-e7YZp90">https://youtu.be/7Yt-e7YZp90</a>
15.	Dr. H.K Sadekar	A Lecture on Lasers and Laser Applications Part-4	9July 2022	<a href="https://youtu.be/nSmem9EqwUU">https://youtu.be/nSmem9EqwUU</a>
16.	Dr. H.K Sadekar	A Lecture on Lasers and Laser Applications Part-5	9July 2022	<a href="https://youtu.be/L2eUINxRLpM">https://youtu.be/L2eUINxRLpM</a>
17.	Dr. H.K Sadekar	A Lecture on Lasers and Laser Applications Part-6	12 July 2022	<a href="https://youtu.be/JL4p7Y4OANK">https://youtu.be/JL4p7Y4OANK</a>
18.	Dr. H.K Sadekar	A Lecture on Lasers and Laser Applications Part-7	18 July 2022	<a href="https://youtu.be/ST3cOXba3o0">https://youtu.be/ST3cOXba3o0</a>
19.	Dr. H.K Sadekar	A Lecture on Physics of Molecules Part-1	19July 2022	<a href="https://youtu.be/NNsA9VwbVNg">https://youtu.be/NNsA9VwbVNg</a>
20.	Dr. H.K Sadekar	A Lecture on Physics of Molecules Part-2	19July 2022	<a href="https://youtu.be/BNsX6WzFwag">https://youtu.be/BNsX6WzFwag</a>
21.	Dr. H.K Sadekar	A Lecture on Physics of Molecules Part-3	19July 2022	<a href="https://youtu.be/Tno2YCCIC28">https://youtu.be/Tno2YCCIC28</a>
22.	Dr. H.K Sadekar	A Lecture on Physics of Molecules Part-4	22 July 2022	<a href="https://youtu.be/-g9TyJSn9E0">https://youtu.be/-g9TyJSn9E0</a>
23.	Dr. H.K Sadekar	A Lecture on Physics of Molecules Part-5	22 July 2022	<a href="https://youtu.be/5P0RVWTrUWI">https://youtu.be/5P0RVWTrUWI</a>



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24.	Dr. H.K Sadekar	A Lecture on Sources of Electromagnetic Waves Part-1	25 July 2022	<a href="https://youtu.be/J1ScXz4ZmMY">https://youtu.be/J1ScXz4ZmMY</a>
25.	Dr. H.K Sadekar	A Lecture on Sources of Electromagnetic Waves Part-2	26 July 2022	<a href="https://youtu.be/1Uw10pMENA4">https://youtu.be/1Uw10pMENA4</a>
26.	Dr. H.K Sadekar	A Lecture on Sources of Electromagnetic Waves Part-3	27 July 2022	<a href="https://youtu.be/oFzkAFgaQm4">https://youtu.be/oFzkAFgaQm4</a>
27.	Dr. H.K Sadekar	A Lecture on Sources of Electromagnetic Waves Part-4	27 July 2022	<a href="https://youtu.be/OsyZDgTkG1U">https://youtu.be/OsyZDgTkG1U</a>
28.	Dr. H.K Sadekar	A Lecture on Applications of Electromagnetic Waves Part-1	29 July 2022	<a href="https://youtu.be/xWGTCGEFXBU">https://youtu.be/xWGTCGEFXBU</a>
29.	Dr. H.K Sadekar	A Lecture on Applications of Electromagnetic Waves Part-2	29 July 2022	<a href="https://youtu.be/m3syMQ5z5O4">https://youtu.be/m3syMQ5z5O4</a>
30.	Dr. H.K Sadekar	A Lecture on Applications of Electromagnetic Waves Part-3	2 Aug 2022	<a href="https://youtu.be/Qd1rM5K0BdM">https://youtu.be/Qd1rM5K0BdM</a>
31.	Dr. H.K Sadekar	A Lecture on Applications of Electromagnetic Waves Part-4	2 Aug 2022	<a href="https://youtu.be/QBeJfSisJJQ">https://youtu.be/QBeJfSisJJQ</a>
32.	Dr. H.K Sadekar	A Lecture on Electrostatics Part-1	2 Aug 2022	<a href="https://youtu.be/8orF4WD1kdA">https://youtu.be/8orF4WD1kdA</a>
33.	Adv.B.Nawlani	Webinar on 'Business Model Canvas'	6 Aug 2022	<a href="https://youtu.be/b8lOd-Hyj5s">https://youtu.be/b8lOd-Hyj5s</a>
34.	Dr. Ragi by Dr. T.Kazi	Journey from Ragi Girl	8 Aug 2022	<a href="https://youtu.be/cFOzILQTDAM">https://youtu.be/cFOzILQTDAM</a>
35.	Mrs A.Ayanar	A Lecture on Introduction and General Terminology of Plant Pathology	8 Aug 2022	<a href="https://youtu.be/wNuoWQiA2iQ">https://youtu.be/wNuoWQiA2iQ</a>
36.	Mrs. S.Bhagat	A Lecture on Possible Effects Due to Entries in 2X2 Matrices	13 Aug 2022	<a href="https://youtu.be/zpDRXjZIJjk">https://youtu.be/zpDRXjZIJjk</a>
37.	Dr. S.Admane	A lecture on Business Economics	17 Aug 2022	<a href="https://youtu.be/OO2q-cTKKmU">https://youtu.be/OO2q-cTKKmU</a>
38.	Mr. M. Bachkar	A lecture on Human Rights	17 Aug 2022	<a href="https://youtu.be/GEC3V8Jq8RE">https://youtu.be/GEC3V8Jq8RE</a>
39.	Dr. H.K Sadekar And Ms. C.Kshirsagar	Workshop on Avishkar	18 Aug 2022	<a href="https://youtu.be/XvaLRrteyjj">https://youtu.be/XvaLRrteyjj</a>
40.	Ms. C.Kshirsagar	Converting Innovation into a Startup	18 Aug 2022	<a href="https://youtu.be/T0dYeXnOL2U">https://youtu.be/T0dYeXnOL2U</a>
41.	Ms. C.Kshirsagar	IIC's Workshop  Converting Innovation into a Start-up	18 Aug 2022	<a href="https://youtu.be/g52Mu7iH6N4">https://youtu.be/g52Mu7iH6N4</a>
42.	Mr. S.K.Doifode	A Lecture on Data Structures using C	19 Aug 2022	<a href="https://youtu.be/XJSvJ8f5nbI">https://youtu.be/XJSvJ8f5nbI</a>
43.	ACS college Sonai	Dahihandi Festival	19 Aug 2022	<a href="https://youtu.be/m5ALUPauZSQ">https://youtu.be/m5ALUPauZSQ</a>
44.	Mrs. V.Rawade	A Lecture on Threats of Biodiversity	23 Aug 2022	<a href="https://youtu.be/BJbSYmPgHfI">https://youtu.be/BJbSYmPgHfI</a>
45.	Mrs. R.V.Shedge	A Lecture on Operating System b	24 Aug 2022	<a href="https://youtu.be/SgaYrnZDY3Y">https://youtu.be/SgaYrnZDY3Y</a>
46.	National Webinar Series	WEBINAR # 02. PRE & POST MENDELIAN CONCEPTS OF HEREDITY	24 Aug 2022	<a href="https://youtu.be/VjBXt_yplQc">https://youtu.be/VjBXt_yplQc</a>
47.	Mr. D.B.Padar	A Lecture on Administrative System of Mughal	25 Aug 2022	<a href="https://youtu.be/RqOWu_UFv6k">https://youtu.be/RqOWu_UFv6k</a>
48.	Mr. S.K.Doifode	A Lecture on Python Programming	19 Aug 2022	<a href="https://youtu.be/MLg2f-3y6AM">https://youtu.be/MLg2f-3y6AM</a>
49.	Dr. S.S.Darade	A Lecture on RajmataJijau	30 Aug 2022	<a href="https://youtu.be/EgD3AVK2VKA">https://youtu.be/EgD3AVK2VKA</a>
50.	17 Maharashtra	Training Camp from 04 Oct. to 10	1 Sept 2022	<a href="https://youtu.be/h1SQdfZo-po">https://youtu.be/h1SQdfZo-po</a>



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	Batalian NCC Ahmednagar Combined Annual	Oct. 202		
51.	Miss C.Kshirsagar	Environmental Awareness and Vigilance Campaign	19 Aug 2022	<a href="https://youtu.be/ftbxMXMC5i0">https://youtu.be/ftbxMXMC5i0</a>
52.	Miss. M.Kadam	A Lecture on Limit Test	14 Sep 2022	<a href="https://youtu.be/GJP1v-yXm2E">https://youtu.be/GJP1v-yXm2E</a>
53.	Miss. S. Harkal	A Lecture on Pharmacokinetics and Pharmacodynamics of Drug	14 Sep 2022	<a href="https://youtu.be/uce9aBWAq0U">https://youtu.be/uce9aBWAq0U</a>
54.	Mr. D.B.Padar	A Lecture on Provincial administration during the Sultanate	17 Sep 2022	<a href="https://youtu.be/FMTXUujPcsg">https://youtu.be/FMTXUujPcsg</a>
55.	ACS College Sonai	Teachers Day Celebration on the occasion of Birth Anniversary of Dr. SarvepalliRadhakrishnan	27 Sep 2022	<a href="https://youtu.be/dp4UY8y4wng">https://youtu.be/dp4UY8y4wng</a>
56.	Mr.R.Adhav and Miss.R.Borude	Startup Idea Presentation	28 Sep 2022	<a href="https://youtu.be/4IDQbKHR51k">https://youtu.be/4IDQbKHR51k</a>
57.	Mr. P.Deshmukh	Motivational Session On Innovation / Prototype Validation-Converting Innovation into Startup	28 Sep 2022	<a href="https://youtu.be/IMHFj-deqGw">https://youtu.be/IMHFj-deqGw</a>
58.	Dr. A. Kumar	Workshop on Intellectual Property Rights & IP Management for Startup	29 Sep 2022	<a href="https://youtu.be/W_FagVOONp0">https://youtu.be/W_FagVOONp0</a>
59.	P.P Serbia	International Webinar on Artistic Cohesion in the Mahabharata Imagery	30 Sep 2022	<a href="https://youtu.be/iiOWo3prJFU">https://youtu.be/iiOWo3prJFU</a>
60.	Mr.R. R.Saraf	National Webinar on Ozone Treaties and Sustainable Goals	6 Oct 2022	<a href="https://youtu.be/R1ZeUi6SXAs">https://youtu.be/R1ZeUi6SXAs</a>
61.	Mr.K.Bhakare	Mimicry	7 Oct 2022	<a href="https://youtu.be/zjBYPkxnlqM">https://youtu.be/zjBYPkxnlqM</a>
62.	Dr. D.E.Zine	About MulaEduSkill Foundation	13 Oct 2022	<a href="https://youtu.be/aB4h_5PbyDE">https://youtu.be/aB4h_5PbyDE</a>
63.	Ms. V.Bhalgat	Startup Idea Presentation	15 Oct 2022	<a href="https://youtu.be/8inhMIOj68A">https://youtu.be/8inhMIOj68A</a>
64.	Mr. J.Sharma (Nature &Wildlife Educator	Webinar on Ecology and Sustainable Practices	18 Oct 2022	<a href="https://youtu.be/QfXqsVxK4eI">https://youtu.be/QfXqsVxK4eI</a>
65.	Dr. H.K Sadekar	A Lecture on Electrostatics Part-2 By	22 Nov 2022	<a href="https://youtu.be/Kp40iZH3img">https://youtu.be/Kp40iZH3img</a>
66.	Dr. J.C.Sonawane	peech on Constitution Day	28 Nov 2022	<a href="https://youtu.be/OAR8LXESYNI">https://youtu.be/OAR8LXESYNI</a>
67.	Dr. S.S.Darade	Speech on Constitution Day	28 Nov 2022	<a href="https://youtu.be/tGC3hap38_8">https://youtu.be/tGC3hap38_8</a>
68.	Dr. D.E.Zine	Speech on Constitution Day	29 Nov 2022	<a href="https://youtu.be/6VOgUuYzsRg">https://youtu.be/6VOgUuYzsRg</a>
69.	Dr. R.Pawar	Speech on Constitution Day	30 Nov 2022	<a href="https://youtu.be/crphoGVkP-I">https://youtu.be/crphoGVkP-I</a>
70.	ACS College Sonai	Constitution Day Celebration	1 Dec 2022	<a href="https://youtu.be/yt-1ik-0EIE">https://youtu.be/yt-1ik-0EIE</a>
71.	ACS College Sonai .	Demo/Poster Presentation of Ideas Competition 2022-23	2 Dec 2022	<a href="https://youtu.be/AmxJ0on-XZM">https://youtu.be/AmxJ0on-XZM</a>
72.	Dr. R.R.Dandawate	A Lecture on Concept of Species	7 Dec 2022	<a href="https://youtu.be/KlQo4BhOppI">https://youtu.be/KlQo4BhOppI</a>
73.	Dr. R.R.Dandawate	A Lecture on Five Kingdom Classification	7 Dec 2022	<a href="https://youtu.be/siGLIWTFOHQ">https://youtu.be/siGLIWTFOHQ</a>
74.	Dr. R.R.Dandawate	A Lecture on Paramecium	7 Dec 2022	<a href="https://youtu.be/JA9YkSzZLDo">https://youtu.be/JA9YkSzZLDo</a>
75.	Dr. R.R.Dandawate	A Lecture on Kingdom Protista	13 Dec 2022	<a href="https://youtu.be/p_4NRwH1_hs">https://youtu.be/p_4NRwH1_hs</a>



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76.	Dr. R.R.Dandawate	A Lecture on Parasites of Vertebrates	13 Dec 2022	<a href="https://youtu.be/ZNZizUpbTEg">https://youtu.be/ZNZizUpbTEg</a>
77.	Dr. R.R.Dandawate	A Lecture on Symmetry Dandawate	13 Dec 2022	<a href="https://youtu.be/C0WSp8Pqkfk">https://youtu.be/C0WSp8Pqkfk</a>
78.	Dr. J.C.Sonawane	A lecture on Harappan Civilization	17 Dec 2022	<a href="https://youtu.be/RVV5oyWhTMg">https://youtu.be/RVV5oyWhTMg</a>
79.	Miss. M.Gade	A Lecture on Animal Interaction	17 Dec 2022	<a href="https://youtu.be/PCG3X6jVk78">https://youtu.be/PCG3X6jVk78</a>
80.	Miss. M.Gade	A Lecture on Population	13 Dec 2022	<a href="https://youtu.be/bUYw26yLwPc">https://youtu.be/bUYw26yLwPc</a>
81.	Dr. S.S.Darade	Reasons for the decline of the Sultanate Part 1 b	22Dec 2022	<a href="https://youtu.be/DWsuUI7tUpOE">https://youtu.be/DWsuUI7tUpOE</a>
82.	Dr. S.S.Darade	Reasons for the decline of the Sultanate Part 2	22 Dec 2022	<a href="https://youtu.be/YXEv2wMMKQI">https://youtu.be/YXEv2wMMKQI</a>
83.	ACS College Sonai	Energy Conservation Day Celebration   Arts, Commerce & Science College, Sonai	23 Dec 2022	<a href="https://youtu.be/b-Tm2JP9LbI">https://youtu.be/b-Tm2JP9LbI</a>
84.	Dr. J.C. Sonawane	A Lecture on Harappan Civilization Part 1	26 Dec 2022	<a href="https://youtu.be/Oeg50dgBkgg">https://youtu.be/Oeg50dgBkgg</a>
85.	Dr. J.C. Sonawane	A Lecture on Harappan Civilization Part 3	26 Dec 2022	<a href="https://youtu.be/gD1HeBn-PMs">https://youtu.be/gD1HeBn-PMs</a>
86.	Dr. D.E.Zine	A Lecture on Financial System	26 Dec 2022	<a href="https://youtu.be/SSYpDT2JH58">https://youtu.be/SSYpDT2JH58</a>
87.	Dr. D.E.Zine	A Lecture on Indian Banking Structure	26 Dec 2022	<a href="https://youtu.be/K1ir-a9LC1k">https://youtu.be/K1ir-a9LC1k</a>
88.	Mrs. S.A. Deshmukh	A Lecture on Hindi SahityakeItihaskaKaalvibhajanAurNamkaran	27 Dec 2022	<a href="https://youtu.be/ReVGTQxPDCg">https://youtu.be/ReVGTQxPDCg</a>
89.	Dr. S. Najan	A Lecture on Investigation of Molecular Structure	27 Dec 2022	<a href="https://youtu.be/gCiY_JL610">https://youtu.be/gCiY_JL610</a>
90.	Prof. T.B. Jadhav	A Lecture on Modern Indian Language - Marathi	31 Dec 2022	<a href="https://youtu.be/dEf6Eeo2jmM">https://youtu.be/dEf6Eeo2jmM</a>
91.	Prof. T.B. Jadhav	A Lecture on SahityaVicharby	31 Dec 2022	<a href="https://youtu.be/Offs3ZnguWA">https://youtu.be/Offs3ZnguWA</a>
92.	Mr. V. Pawar	A Lecture on Elimination Reaction	31 Dec 2022	<a href="https://youtu.be/RQheraHhQDI">https://youtu.be/RQheraHhQDI</a>
93.	Dr. S.S. Darade	A Lecture on Civil Administration	4 Jan 2023	<a href="https://youtu.be/gsm39gPC7kE">https://youtu.be/gsm39gPC7kE</a>
94.	Mr. D.B.Padar	A Lecture on What is History ?	3 Jan 2023	<a href="https://youtu.be/gSfp9yDsQeI">https://youtu.be/gSfp9yDsQeI</a>
95.	Mr. D.B.Padar	A Lecture on Tools of History of Ancient India	3 Jan 2023	<a href="https://youtu.be/Phol_rjFXGQ">https://youtu.be/Phol_rjFXGQ</a>
96.	Dr. S. Najan	A Lecture on Analytical Technique of Water Analysis Part 1	3 Jan 2023	<a href="https://youtu.be/uaGLxXo-aPE">https://youtu.be/uaGLxXo-aPE</a>
97.	Mr. V. Pawar	A Lecture on Elimination Reaction	4 Jan 2023	<a href="https://youtu.be/RQheraHhQDI">https://youtu.be/RQheraHhQDI</a>
98.	Mr. V. Pawar	A Lecture on Epoxidation	4 Jan 2023	<a href="https://youtu.be/G2MtE5VN5Uw">https://youtu.be/G2MtE5VN5Uw</a>
99.	Dr. S.S Darade	A Lecture on Treaty of Purandar	4 Jan 2023	<a href="https://youtu.be/gHquIS9EkPk">https://youtu.be/gHquIS9EkPk</a>
100.	ACS College Sonai	Celebration of National Voter Day - 25-01-2023	11 Feb 2023	<a href="https://youtu.be/6idQR3nJEY8">https://youtu.be/6idQR3nJEY8</a>
101.	Ms. V.Bhalgat	Prototype Presentation (TYBBA) on Yukti under YBIC	8 April 2023	<a href="https://youtu.be/QINojVDpuRU">https://youtu.be/QINojVDpuRU</a>
102.	Dr.S.L.Laware	Meaning & Characteristics of Research  Ph.D. Coursework.	10 May 2023	<a href="https://youtu.be/uha8cPRG0j4">https://youtu.be/uha8cPRG0j4</a>
103.	Dr. R. Dhiman.	A Lecture on Reviewing the Literature and Defining of the Research Problem	14 May 2023	<a href="https://youtu.be/IAhiHZchT4k">https://youtu.be/IAhiHZchT4k</a>
104.	Dr.S.L.Laware	A Lecture on "Steps of Research"	14 May	<a href="https://youtu.be/sM63ByWI2Xg">https://youtu.be/sM63ByWI2Xg</a>





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			2023	
105.	Dr.S.L.Laware	A Lecture on 'Writing Research Proposal (Elements of Research Proposal)	14 May 2023	<a href="https://youtu.be/SH1yT65qbZM">https://youtu.be/SH1yT65qbZM</a>
106.	Dr.S.L.Laware	A Lecture on " Research Proposal for Grant/Financial Assistance'	14 May 2023	<a href="https://youtu.be/S3G2ImN50FQ">https://youtu.be/S3G2ImN50FQ</a>
107.	Dr.R.Dhiman	Publication of Research Papers and Articles in High Impact Factor Journals Shearing Experiences	14 May 2023	<a href="https://youtu.be/uZsEtWlnifA">https://youtu.be/uZsEtWlnifA</a>
108.	Dr. S. Khedekar	Types of Research, Methods of Sampling, Data Collection and its Significance	14 May 2023	<a href="https://youtu.be/MoywB3XIZzQ">https://youtu.be/MoywB3XIZzQ</a>
109.	Dr. S. Khedekar	A Lecture on Analysis of Data with Various Statistical Tools	14 May 2023	<a href="https://youtu.be/FvHytunhNJo">https://youtu.be/FvHytunhNJo</a>
110.	Dr. R. Tasildar	A Lecture on Reference Sources for Research Scholars	20 May 2023	<a href="https://youtu.be/zSsRhO95PWM">https://youtu.be/zSsRhO95PWM</a>
111.	Dr. U. Jagadale	A Lecture on Language in Research	22May 2023	<a href="https://youtu.be/D1DdyQoXinU">https://youtu.be/D1DdyQoXinU</a>
112.	Dr. U. Jagadale	A Lecture on Research Methodology: Analytical Framework	23May 2023	<a href="https://youtu.be/_m2nqxOeaDI">https://youtu.be/_m2nqxOeaDI</a>
113.	Dr. R. Tasildar	A Lecture on Reference Skills & Research	23May 2023	<a href="https://youtu.be/DuljIkYHgOQ">https://youtu.be/DuljIkYHgOQ</a>
114. C	ACS College Sonai	History of Research: Indian-Egyptian-Greek Ideas & Rec. for Today&Effective Verbal&Non-Verbal Comm.	29 May 2023	<a href="https://youtu.be/2Oyh-zrmpRg">https://youtu.be/2Oyh-zrmpRg</a>
115.	Dr. A. Jadhav	A Lecture on Effective Verbal & Non-Verbal Communication - Part - II	30 May 2023	<a href="https://youtu.be/caNs1o5Ne0w">https://youtu.be/caNs1o5Ne0w</a>
116.	Dr.S.L.Laware	A Lecture on Ethical Issues in Research	13 Jun 2023	<a href="https://youtu.be/jkxbxbAFsL4">https://youtu.be/jkxbxbAFsL4</a>
117.	Dr.S. L. Laware	A Lecture on Legal &Ethical issues in Research	1 July 2023	<a href="https://youtu.be/yWfFGpP2njw">https://youtu.be/yWfFGpP2njw</a>
118.	Dr. B. J. Apparao	A Lecture on Genetically Modified Plants	4 July 2023	<a href="https://youtu.be/oSiAg2RAgIY">https://youtu.be/oSiAg2RAgIY</a>
119.	Dr. B.J. Apparao	A Lecture on DNA Barcoding and Its Applications in genetic, species, molecular diversity & taxonomy	4 July 2023	<a href="https://youtu.be/EP957R8_kB0">https://youtu.be/EP957R8_kB0</a>
120.	Dr. D. Ghodke	A Lecture on Feminist Approach to the Study of Literature	4 July 2023	<a href="https://youtu.be/OOeYLbbLYns">https://youtu.be/OOeYLbbLYns</a>
121.	Dr. D. Ghodke	A Lecture on Postcolonial Approach to the Study of Literature	4 July 2023	<a href="https://youtu.be/3zVvB_FnT10">https://youtu.be/3zVvB_FnT10</a>
122.	Dr. P. Shelar	A Lecture on Signal Transduction in Plants	5 July 2023	<a href="https://youtu.be/IndkEzXIFTs">https://youtu.be/IndkEzXIFTs</a>
123.	Dr. S.P. Kavade	A Lecture on Animal Human Interaction	5 July 2023	<a href="https://youtu.be/N6_E2VK5RFA">https://youtu.be/N6_E2VK5RFA</a>
124.	Mr.S. Gadekar	- NEP 2020	3 Aug 2023	<a href="https://youtube.com/shorts/hFndOW87HfY">https://youtube.com/shorts/hFndOW87HfY</a>



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125.	Miss. A. Nangre	NEP 2020	3 Aug 2023	<a href="https://youtu.be/P5jfZ6Rqcoo">https://youtu.be/P5jfZ6Rqcoo</a>
126.	Miss. G. Guldagad	- NEP 2020	3 Aug 2023	<a href="https://youtu.be/-WXt6URiktU">https://youtu.be/-WXt6URiktU</a>
127.	Miss. S. Bhingarde	NEP 2020	3 Aug 2023	<a href="https://youtu.be/pMhkQNIjwM">https://youtu.be/pMhkQNIjwM</a>
128.	Miss.G. Anarase	- NEP 2020	3 Aug 2023	<a href="https://youtube.com/shorts/QS7j5koqQO8">https://youtube.com/shorts/QS7j5koqQO8</a>
129.	Mr. C. Kanade	- NEP 2020	3 Aug 2023	<a href="https://youtu.be/TW7shxqYMSE">https://youtu.be/TW7shxqYMSE</a>
130.	Dr. M. Borde	A Lecture on Plant Microbe Interaction	8 Aug 2023	<a href="https://youtu.be/3F7nbPdRn3U">https://youtu.be/3F7nbPdRn3U</a>
131.	Dr.S.L.Laware	A lecture on Biodiversity	10 Aug 2023	<a href="https://youtu.be/s8_OzWon-YE">https://youtu.be/s8_OzWon-YE</a>
132.	Dr. G. B.Kalhapure	Interview on Implementation of NEP 2020 -	10 Aug 2023	<a href="https://youtu.be/8grYLAVVWbU">https://youtu.be/8grYLAVVWbU</a>
133.	ACS College Sonai	NSS Special Camp 2023	14 Aug 2023	<a href="https://youtu.be/h35Gg1qXmgg">https://youtu.be/h35Gg1qXmgg</a>
134.	Dr. L G Patil	A Lecture on Ph. D Coursework Session by	18 Aug 2023	<a href="https://youtu.be/r9KNH7jsmwY">https://youtu.be/r9KNH7jsmwY</a>
135.	Dr. H. K .Sadekar	Computer Fundamental	19 Aug 2023	<a href="https://youtu.be/fJ5VbXpkzus">https://youtu.be/fJ5VbXpkzus</a>
136.	Dr. A. Kulkarni	A Lecture on Secondary Metabolite Production in Plant	26 Aug 2023	<a href="https://youtu.be/9zGmIHoSQpI">https://youtu.be/9zGmIHoSQpI</a>
137.	Dr. K. Bhat	A Lecture on Ph D Session work	28 Aug 2023	<a href="https://youtu.be/og1EFqEwYyk">https://youtu.be/og1EFqEwYyk</a>
138.	Mr. S. R. Langote	A lecture on Business Strategies by	1 Sept 2023	<a href="https://youtu.be/EbpE9MQJTk4">https://youtu.be/EbpE9MQJTk4</a>
139.	Mr.B.G. Meshram	A Lecture on Algal Biofuel	5 Sept 2023	<a href="https://youtu.be/z_rwLYEBAnQ">https://youtu.be/z_rwLYEBAnQ</a>
140.	Dr. D. E. Zine	A Lecture on Basic Requirements For Entrepreneurship	5 Sept 2023	<a href="https://youtu.be/5tJhMAhK1WY">https://youtu.be/5tJhMAhK1WY</a>
141.	Dr.S. K Ranyewale	A lecture on a General Specific requirements By	1 Sept 2023	<a href="https://youtu.be/QEr2XfEGtDc">https://youtu.be/QEr2XfEGtDc</a>