

1.1 - Curricular Planning and Implementation

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

Academic Calendar (College) 2022-23

Nilkanthrao Shinde Science and Arts College, Bhadrawati, Dist. Chandrapur

Academic Calendar

Session 2022-2023

First Term (Odd Semester) 16-07-2022 to 20-01-2023

Month	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Holiday	Total Days	Total Working Days
July	02	02	02	02	02	03	03	Nil	16	13
August	04	03	04	04	03	04	04	05	31	22
September	04	04	04	05	04	04	04	01	30	25
October	03	03	02	03	02	03	03	01	20	16
November	02	02	02	01	01	01	01	Nil	10	09
December	04	04	04	05	05	05	04	Nil	31	26
January	03	03	03	03	03	02	03	Nil	20	17
Total Days	22	21	21	23	20	22	22	07	158	128

Total Working Days	Number of Admission Days	Actual Teaching Days
128	25	103

Last date of admission	31-08-2022
Last date of admission with prior permission of Vice Chancellor	30-09-2022
Last date of admission with prior permission of Vice Chancellor(second time)	07-10-2022
Diwali Holidays/Winter Vacation	20-10-2022 to 19-11-2022

Holidays			
Sr. No.	Month	Date	Activity
1	August 2022	09-8-2022	Moharam
		15-8-2022	Independence Day
		16-8-2022	Parshi Navvarsh
		26-8-2022	Pola
		31-8-2022	Ganesh Chaturthi
2	September 2022	09-9-2021	Anant Chaturthi
3	October 2022	05-10-2022	Dashahara
4	November 2022	08-11-2022	Gurunanak Jayanti

(Signature)
Dr. N. V. Tejwani
Chairman

Academic
calendar
2022-23

(Signature)

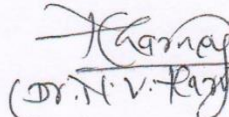
Dr. L.S. Ladke
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Bhadrawati, Dist-Chandrapur

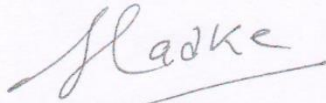
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Programmes (Tentative)

Sr. No.	Date	Programme
1.	15-08-2022	Independence Day
2.	26-08-2022	Placement Cell
3.	05-09-2022	Teachers Day Celebration
4.	08-09-2022	International Literacy Day
5.	30-09-2022 to 02-10-2022	NSS Week
6.	01-10-2022 to 07-10-2022	Wild Life Week
7.	02-10-2022	Mahatma Gandhi Jayanti
8.	10-10-2022 to 16-10-2022	NSS Camp tentative
9.	15-10-2022	Damma Chakra Anuvartan Din
10.	26-11-2022	Samvidhan Divas
11.	28-11-2022	Mahatma Phule Death Anniversary
12.	01-12-2022 to 07-12-2022	AIDS Week
13.	06-12-2022	Dr. Babasaheb Ambedkar Maha Parinirvan Din
14.	03-01-2023	Savitribai Phule Jayanti
15.	14-01-2023 to 17-01-2023	Youth Festival
16.	26-01-2023	Republic Day
17.	05-02-2023	75 koti Suryanamaskar Sankalp
18.	19-02-2023	Chatrapati Shivaji Maharaj Jayanti
19.	08-03-2023	International Women Day
20.	11-04-2023	Mahatma Phule Jayanti
21.	14-04-2023	Dr. Babasaheb Ambedkar Jayanti
22.	01-05-2023	Maharashtra Day


(Dr. N. V. Rajney)
Chairman - Academic
calendar
2022-23.


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Dr. L. S. Ladke
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Bhadrawati, Dist-Chandrapur

Academic Calendar (University) 2022-23



GONDWANA UNIVERSITY, GADCHIROLI

(Established by Government of Maharashtra Notification No. MIDC-2007/(322/07) UNI-4 Dated 27th Sept. 2011 & Presently a State University governed by Maharashtra Public University Act, 2016 (Maharashtra Act No. VI of 2017)

(ACADEMIC SECTION)

M.I.D.C. ROAD, COMPLEX, GADCHIROLI, DIST GADCHIROLI 442605 (Acad.. Landline No.) 7132- 223323

No. G.U./Acad. 403/2022

Date : 31/05/2022

Notification

It is notified for general information of all the University conducted/constituent/affiliated colleges and Post Graduate Teaching Department of the University that the Academic Calendar for the Session 2022-2023 shall be as under:-

Academic Calendar for the Session 2022-2023

Minimum instruction days per semester are:

Semester I	90 days and for professional courses as mentioned by Central admission process.
Semester II	90 days
Total	180 days

A) ACADEMIC CALENDAR FOR THE COURSES CONDUCTED AS PER "SEMESTER" PATTERN FOR SESSION 2022-2023

1. Terms & Vacation

First Term (Odd semesters)	: 16/07/2022 to 20/01/2023
Diwali Holidays /Winter Vacation	: 20/10/2022 to 19/11/2022
Second Term (Even semesters)	: 21/01/2023 to 31/05/2023
Summer Vacation	: 01/06/2023 to 30/06/2023

2. Admissions

a) Last date of admission (First term odd sem)	: 31/08/2022
b) Last date for Admission with prior permission of the Vice-Chancellor	: 30/09/2022

3. Last date of submission of Enrollment form to the university

- i) upto 12/09/2022 for admitted students upto 31/08/2022
- ii) upto 10/10/2022 for the Students admitted between 01/09/2022 to 30/09/2022
- iii) For centralized admission last date of enrollment shall be 10 days from the date admission, as notified by competent authority.

4. Examination

a) Winter semester Examinations.

Commencement of Examination	: 10/12/2022
Last date for receipt of examinations Forms	
a) Regular students	: 15/10/2022
b) Old Ex-students/ External student	: 15/10/2022
c) Ex-Students of immediately previous Examination	: 15/10/2022

5. Examination

a) Summer Semester Examinations.

Commencement of Examination	: 20/05/2023
Last date for receipt of examinations Forms	
a) Regular students	: 04/04/2023
b) Old Ex-students/External students	: 04/04/2023
c) Ex-Students of immediately previous Examination	: 04/04/2023

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6. Declaration of Results As per provision of Maharashtra Public Universities Act,2016
 B) ACADEMIC CALENDAR FOR THE COURSES CONDUCTED AS PER "ANNUAL" PATTERN FOR SESSION 2022-2023

1. Terms & Vacation
 First Term : 16/07/2022 to 20/01/2023
 Winter Vacation : 20/10/2022 to 19/11/2022
 Summer Vacation : 01/06/2023 to 30/06/2023
2. Admission
 a) Last date of Admission : 31/08/2022
 b) Last date of Admission with prior permission of the Vice-Chancellor : 30/09/2022
3. Last date of Enrolment
 Enrolment forms to the university : i) upto 12/09/2022 for admitted students upto 31/08/2022
 ii) upto 10/10/2022 for the students admitted between 1/09/2022 to 30/09/2022
 iii) For centralized admission last date of enrollment shall be 10 days from the date admission, as notified by competent authority.

4. Examinations
 a) Winter Examinations.
 Commencement of Examination : 10/12/2022
 Last date for receipt of examination Forms
 a) External students : 15/10/2022
 b) Old Ex-Students : 15/10/2022
 c) Ex-Students of immediately previous examination : 15/10/2022

5. Examinations
 a) Summer Examinations
 Commencement of Examination : 20/05/2023
 Last date for receipt of examination Forms
 a) Regular Students : 04/04/2023
 b) Old Ex-Students : 04/04/2023
 c) External Students : 04/04/2023
 d) Ex-Students of immediately previous examination : 04/04/2023

Ph.D.

Sr.No.	Examination	Date
1	PET Examination	25/09/2022
2	Ph.D. Course Work	Shall be notified Separately.

SPECIAL ACADEMIC EVENTS

University Foundation Day	2 nd October
Convocation of university	As per prior Approval of Hon'ble Chancellor


Note:- Commencement of Next Academic Session for this batch 01/07/2023

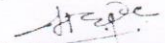
By Order of the Hon'ble Vice-Chancellor

31.5.2022
 (Dr. Anil Z. Chitade)
 Registrar(I/c)

Copy forwarded for information and necessary action to :-

- P.A. to Hon'ble Vice-Chancellor, Gondwana University, Gadchiroli.
- P.A. to Hon'ble Pro-Vice-Chancellor, Gondwana University, Gadchiroli
- The Registrar of All Universities in the Maharashtra State.
- The Principals/Director of all affiliated Colleges/Heads of the Post-Graduate Teaching Departments / Statutory officers/ Deputy Registrar of the Gondwana University, Gadchiroli.
- Director, Knowledge of Resource Center of the Gondwana University, Gadchiroli.
- System Analyst, Gondwana University, Gadchiroli.


 Dr. L.S. Ladke
 PRINCIPAL
 N.S. Science & Arts College
 Bhadrawati, Dist-Chandrapur


 (Dr. Hemant Barsagade)
 Deputy Registrar (Acad.)



महाराष्ट्र शासन
महसूल विभाग

जिल्हाधिकारी, चंद्रपूर यांचे कार्यालय.

E-mail — chandrapur.rdc@gmail.com / establish.chandrapur@gmail.com

दूरध्वनी क्रमांक 07172 — 250350

क्रमांक मशा/कार्या-2/आस्था.टे.3/2022/85

दिनांक : 31. 01.2022

आदेश

महाराष्ट्र शासन राजकीय सेवा विभागाच्या दिनांक 16 जानेवारी, 1958 च्या शासन निर्णय क्रमांक पी.13/ बी आणि दिनांक 6 ऑगस्ट, 1958 च्या सम क्रमांकाच्या शासन निर्णयानुसार मला प्रदान केलेल्या अधिकाराचा वापर करून मी जिल्हाधिकारी, चंद्रपूर सन 2022 या वर्षाकरीता चंद्रपूर जिल्ह्यात खालील प्रमाणे स्थानिक सुट्ट्या जाहीर करित आहे.

अ.क्र.	सणाचे नाव	दिनांक	दिवस	स्थानिक सुट्ट्यांचे क्षेत्र
1.	होळी	17 मार्च, 2022	गुरुवार	संपूर्ण चंद्रपूर जिल्हा
2.	पोळा	26 ऑगस्ट, 2022	शुक्रवार	
3.	अनंत चतुर्दशी (गणेश विसर्जन)	09 सप्टेंबर, 2022	शुक्रवार	

हा आदेश चंद्रपूर जिल्ह्यातील दिवाणी व फौजदारी न्यायालये आणि अधिकोष (बँक) यांना लागू होणार नाही.

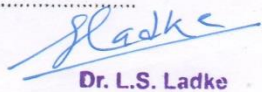
2-11-
(अजय गुल्हाने)
जिल्हाधिकारी, चंद्रपूर


प्रत- माहिती करीता सविनय सादर.

1. मा. प्रधान सचिव, सामान्य प्रशासन विभाग, मंत्रालय, मुंबई- 32.
2. मा. सचिव, सामान्य प्रशासन विभाग, मंत्रालय, मुंबई- 32.
3. मा. विभागीय आयुक्त, नागपूर विभाग, नागपूर.
4. व्यवस्थापक, शासकीय मुद्रणालय आणि ग्रंथागार नागपूर यांचेकडे महाराष्ट्र शासन राजपत्राच्या पुरवणीमध्ये प्रकाशित करून, राजपत्राच्या 05 प्रती या कार्यालयास पाठविण्यात यावे ही विनंती.
5. महालेखापाल, महाराष्ट्र-2, नागपूर.
6. जिल्हाधिकारी- नागपूर / वर्धा / भंडारा / गोंदिया / गडचिरोली.

प्रतिलिपी :- माहिती तथा आवश्यक कार्यवाहीस अप्रेषित.

1. जिल्हा माहिती व प्रसिध्दी अधिकारी, चंद्रपूर स्थानिक वर्तमानपत्रात उक्त स्थानिक सुट्ट्या प्रसिध्द करण्यात यावेत.
2. उप प्रबंधक, महसूल न्यायाधिकरण, नागपूर.
3. सर्व खात्याचे जिल्हा स्तरावरील अधिकारी
4. उपविभागीय अधिकारी (सर्व)
5. प्रभारी अधिकारी (सर्व)
6. तहसीलदार (सर्व)
7. मुख्याधिकारी, नगर परिषद (सर्व)
8. आदेश नस्ती.


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(अजय गुल्हाने)
जिल्हाधिकारी, चंद्रपूर



गोंडवाना विद्यापीठ, गडचिरोली

(महाराष्ट्र शासन अधिसूचनाक्रमांक २००७/(३२२/०७)विशि-४ महाराष्ट्र विद्यापीठ अधिनियम १९९४(१९९४) चा महा.३५) च्या कलम ३ च्या पोटकलम(२) अन्वये दिनांक २७ सप्टेंबर, २०११ रोजी स्थापित व महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ (सन २०१७ चा महाराष्ट्र विद्यापीठ अधिनियम क्रमांक ६) व्दारा संचालित राज्य विद्यापीठ)

(आस्थापना विभाग)

एम. आय. डी.सी. रोड, कॉम्प्लेक्स, गडचिरोली जि. गडचिरोली ४४२६०५
दुरध्वनी क्र. ०७१३२-२२३१०४ email:- gondwanaesst@gmail.com

जा.क्र. गो.वि./आस्था/८२४८/२०२२

दि.३१/१२/२०२२

परिपत्रक

विषय :- सन २०२२ च्या सार्वजनिक सुट्ट्या.

महाराष्ट्र शासन अधिसूचना क्र. सार्वसु. ११२१/प्र.क्र.९७/कार्या-२९.- भारत सरकारच्या गृह मंत्रालयाची अधिसूचना क्रमांक ३९/१/६८, जेयुडीएल/तीन, दिनांक ८ मे १९६८ अन्वये महाराष्ट्र शासनास सोपविण्यात आलेल्या अधिकाराचा वापर करून, महाराष्ट्र शासन या अधिसूचनेद्वारे महाराष्ट्र राज्यात सन २०२२ सालासाठी खाली नमुद केलेल्या दिवशी सार्वजनिक सुट्ट्या गोंडवाना विद्यापीठ, गडचिरोली शिक्षक व शिक्षकेत्तर सेवकांना व गोंडवाना विद्यापीठांशी संलग्नित महाविद्यालये / मान्यताप्राप्त संस्थेतील शिक्षक व शिक्षकेत्तर सेवकांना जाहीर करण्यात आलेल्या आहेत.

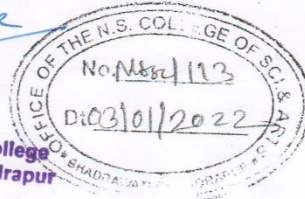
अ.क्र.	सुट्टीचा दिवस	इंग्रजी तारीख	वार
१	प्रजासत्ताक दिन	२६ जानेवारी २०२२	बुधवार
२	महाशिवरात्री	०१ मार्च २०२२	मंगळवार
३	होळी (दुसरा दिवस)	१८ मार्च २०२२	शुक्रवार
४	महावीर जयंती	१४ एप्रिल २०२२	गुरुवार
५	डॉ. बाबासाहेब आंबेडकर जयंती	१४ एप्रिल २०२२	गुरुवार
६	गुड फ्रायडे	१५ एप्रिल २०२२	शुक्रवार
७	रमझान ईद (ईद-उल-फितर)(शब्वल - १)	०३ मे २०२२	मंगळवार
८	बुध पौर्णिमा	१६ मे २०२२	सोमवार
९	मोहरम	०९ ऑगस्ट २०२२	मंगळवार
१०	स्वातंत्र्य दिन	१५ ऑगस्ट, २०२२	सोमवार
११	पारशी नववर्ष दिन (शहेनशाही)	१६ ऑगस्ट २०२२	मंगळवार
१२	गणेश चतुर्थी	३१ ऑगस्ट, २०२२	बुधवार
१३	दसरा	०५ ऑक्टोबर २०२२	बुधवार
१४	दिवाळी अमावस्या (लक्ष्मीपूजन)	२४ ऑक्टोबर २०२२	सोमवार
१५	दिवाळी (बलिप्रतिपदा)	२६ ऑक्टोबर २०२२	बुधवार
१६	गुरुनानक जयंती	०८ नोव्हेंबर २०२२	मंगळवार

सु. Bharsagar

Sladke

3/11/22

Dr. L. S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur




अ. खालील सुट्ट्या शनिवार व रविवारी येत आहेत.

अ.क्र.	सुट्टीचा दिवस	इंग्रजी तारीख	वार
१	छत्रपती शिवाजी महाराज जयंती	१९ फेब्रुवारी, २०२२	शनिवार
२	गुढीवाडवा	०२ एप्रिल, २०२२	शनिवार
३	रामनवमी	१० एप्रिल, २०२२	रविवार
४	महाराष्ट्र दिन	०१ मे २०२२	रविवार
५	बकरी ईद (ईद - उल - झुआ)	१० जुलै, २०२२	रविवार
६	महात्मा गांधी जयंती	०२ ऑक्टोबर २०२२	रविवार
७	ईद - ए- मिलाद	०९ ऑक्टोबर २०२२	रविवार
८	ख्रिसमस	२५ डिसेंबर २०२२	रविवार

ब. राज्य शासनाने आता खालील अतिरिक्त सुट्टी राज्य शासकीय कार्यालये, राज्य शासनाचे उपक्रम तसेच महानगरपालिका, नगर परिषद, नगर पंचायत, जिल्हा परिषद, पंचायत समिती आणि ग्रामपंचायत यांच्यासाठी जाहीर करण्याचा निर्णय घेतला आहे.

अ.क्र.	सुट्टीचा दिवस	इंग्रजी तारीख	वार
१	भाऊबीज	२६ ऑक्टोबर २०२२	बुधवार

टीप :- मा.विभागीय आयुक्त, नागपूर विभाग, नागपूर जाहीर करतील अशा सुट्ट्या तसेच मा.जिल्हाधिकारी, गडचिरोली व मा. जिल्हाधिकारी, चंद्रपूर हे ज्या स्थानिक सुट्ट्या वेळोवेळी जाहीर करतील ते गोंडवाना विद्यापीठ, गडचिरोली येथील सर्व विभाग प्रमुख तसेच विद्यापीठाशी संलग्नित सर्व महाविद्यालयास वेळोवेळी कळविण्यात येतील.


२०/१०/२०२२

(डॉ. अनिल चिताडे)

कुलसचिव (प्र.)

गोंडवाना विद्यापीठ, गडचिरोली

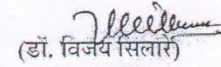
प्रतिलिपी:-

गोंडवाना विद्यापीठ, गडचिरोली येथील सर्व विभाग प्रमुख तसेच विद्यापीठाशी संलग्नित सर्व महाविद्यालयाचे मा.प्राचार्य यांना माहितीस्तव सादर.



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(डॉ. विजय सिलार)

उपकुलसचिव

गोंडवाना विद्यापीठ, गडचिरोली


Time-Table 2022-23

Nilkanthrao Shinde Science & Arts College Bhadravati Dist: Chandrapur

U.C. Time-Table (2022-23)

with effect from: 08/08/2022

Class	8.10-8.58	9.00-9.48	9.50-10.38	10.40-11.28	11.28-11.48	11.50-12.38	12.40-1.28	1.30-2.18	2.20-3.08	3.10-3.58	4.00-4.30
MON	I	Mat(SM) - 42S/ERJ-39	Che [SHS]-42 C/S [XXX]-39	Bot [PNN]-42 Phy [GRB]-39	Zoo [NVH]-42 Maths [SWB]-39	M/B [SSS]-42 Phy [ADD]-39	Maths [LSL]-39 C/S [MNO]-39	Zoo [CBZ+MB] [P1+P2] [NVH]-25 C/S [MNO]-39	Zoo [CBZ+MB] [P1+P2] [NVH]-25 C/S [MNO]-39	Eng [RJ]-39	Phy Eduq [VNS]
	II		Bot [PNN]-46 Phy [KVB]-38	Zoo [SRS]-46 Maths [NNS]-38	M/B [ABS]-46 Phy [GRB]-38	Che [KPI]-46 C/S [MNO]-38	Che [PCM] [P1+P2] [RSH + SHS]-48 Bot [CBZ] [P1+P2] [NSW+XXX]-24 M/B [ABS]-41 Phy [CS] [KVB]-23	Che [ABD]-54 C/S [XXX]-37	M/B [SSS]-54 Maths [LSL]-37	EVS-38	
	III		Che [CBZ]-[P1+P2+ P3] [ABD + RSH + KPI]-48 Bot [CMbz] [P1] [XXX]-24 Zoo [CMbz] [P1] [XXX]-25 Phy [PCM] [P1+P2] [ADD+KNS]-23 C/S [P+P2] [MNO]-27								
TUE	I	Mat [SM]-42 S/E [RJ]-39	Che [SHS]-42 C/S [MNO]-39	Bot [NNSW]-42 Phy [GRB]-39	Zoo [NVH]-42 Maths [SWB]-39	M/B [SSS]-42 Phy [ADD]-39	Maths [LSL]-39 C/S [XXX]-39	Zoo [CBZ+MB] [P1+P2] [NVH+XXX]-25 C/S [XXX]-39	Zoo [CBZ+MB] [P1+P2] [NVH+XXX]-25 C/S [XXX]-39	Eng [RJ]-39	Phy Eduq [VNS]
	II		Bot [NNSW]-46 Phy [KVB]-38	Zoo [SRS]-46 Maths [NNS]-38	M/B [ABS]-46 Phy [GRB]-38	Che [KPI]-46 C/S [MNO]-38	Che [PCM] [P1+P2] [SHS+KPI]-48 Bot [CBZ] [P1+P2] [NSW] 24 M/B [ABS]-41 Phy [CS] [KVB]-23	Che [RSH]-37 C/S [XXX]-54	M/B [SSS]-54 Maths [SWB]-37	EVS-38	
	III		Che [CBZ]-[P1+P2+ P3] [ABD + RSH + KPI]-48 Bot [CMbz] [P1] [XXX]-24 Zoo [CMbz] [P1] [XXX]-25 Phy [PCM] [P1+P2] [ADD+XXX]-23 C/S [P+P2]-27								
WED	I	Eng [RJ]-39	Bot [NNSW]-42 Phy [GRB]-39	Che [SHS]-42 C/S [MNO]-39	M/B [ABS]-42 Maths [SWB]-39	Zoo [NVH]-42 Maths [NNS]-39	Maths [NNS]-39	Bot [CBZ+MB] [P1+P2] [NSW]-24 Phy [PCM] [P1] [GRB]-23 C/S [P1+P2]-27	Bot [CBZ+MB] [P1+P2] [NSW]-24 Phy [PCM] [P1] [GRB]-23 C/S [P1+P2]-27	Eng [RJ]-39	Phy Eduq [VNS]
	II		Che [RSH]-46 C/S [XXX]-38	M/B [ABS]-46 Phy [KVB]-38	Zoo [NVH]-46 Maths [SKD]-38	Bot [NNSW]-46 Maths [SWB]-38	Che [KPI]-37 C/S [MNO]-54	Phy [ADD]-38 C/S [XXX]-38	Bot [PNN]-54 M/B [ABS]-54 C/S [XXX]-37	EVS-38	
	III		Che [PCM] [P1+P2] [ABD+KPI]-48 Bot [CBZ] [P1+P2] [PNN + XXX]-24 Phy [PCM] [P1+P2] [ADD+KNS]-23 M/B [PI] [SSS]-41								
	I	Eng [Tu]-[RJ]-39	Bot [NNSW]-42 Phy [KVB]-39	Che [SHS]-42 C/S [MNO]-39	M/B [ABS]-42 Maths [SWB]-39	Zoo [NVH]-42 Maths [SWB]-39	Maths [SKD]-39	Bot [CBZ+MB] [P1+P2] [NSW]-24 Phy [PCM] [P1] [GRB]-23 C/S [P1+P2] [MNO]-27	Bot [CBZ+MB] [P1+P2] [NSW]-24 Phy [PCM] [P1] [GRB]-23 C/S [P1+P2] [MNO]-27	Matr/SE -39	
	II		Che [RSH]-46 C/S [XXX]-38	M/B [ABS]-46 Phy [GRB]-38	Zoo [NVH]-46 Maths [SKD]-38	Bot [NNSW]-46 Phy [KVB]-38	Bot [NNSW]-46 Phy [KVB]-38				Phy [XXX]-38


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THU	III	Phy[XXXX]-37	<---Che[PCM][P1+P2]-ABD-K[P]-48---> <---Bot[CBZ][P1+P2]-[PNN+XXX]-24---> <---Phy[PCSM][P1+P2]-[ADD+XXX]-23---> <---M/B [P1][SSS]-41--->	Phy[ADD]-38 Zoo [NVH]-54 Phy [KVB]-37	Phy[KNS]-38 M/B [ABS]-54 C/S[XXX]-37	C/S[XXX]-38 Bot [XXX]-54	Phy Edu[VNS]
FRI	I	M/B [SSS]-42	Zoo [SRS]-42 Maths [NNS]-39	Bot [PNN]-42 Phy [ADD]-39	<---Che[PCSM][P1+P2]-[PNN+XXX]-24---> <---Bot[CBZ][P1+P2]-[PNN+XXX]-24---> <---Phy[PCSM][P1+P2]-[ADD+XXX]-23---> <---M/B [P1][SSS]-41--->	Phy[ADD]-38 Zoo [NVH]-54 Phy [KVB]-37	<---M/B[SSS]--->
	II		Bot [PNN]-46	Zoo[XXX]-46	M/B [ABS]-46	Phy[XXX]-46	Phy Edu[VNS]
	III	Phy[XXXX]-37	<---Phy[PCM][P1+P2]-[KVB+KNS]-23---> <---C/S [P1+P2]-[MNQ + XXX]-27---> <---Che[MB][P1+HABD]-48---> <---Zoo[CBZ][P1+P2]-[NVH + XXX]-25--->	Phy[GRB]-37	Maths[NNS]-37	C/S [XXX]-37	Phy Edu[VNS]
SAT	I	M/B-[SSS]-42	Zoo [SRS]-42 Maths-[NNS]-39	Bot [PNN]-42 Phy [ADD]-39	<---Che[PCSM][P1+P2]-[KVB+XXX]-23---> <---C/S [P1+P2]-[XXX+YYY]-27---> <---Che[MB][P1][SHS]-48---> <---Zoo[CBZ][P1+P2]-[NVH + XXX]-25--->	Phy[ADD]-38 Zoo [NVH]-54 Maths [LSL]-37	Phy Edu[VNS]
	II		Bot [PNN]-46	Zoo [XXX]-46	M/B [ABS]-46	Phy [KVB]-38	SEC-37
	III	Phy[KNS]-37	<---Phy[PCM][P1+P2]-[KVB+XXX]-23---> <---C/S [P1+P2]-[XXX+YYY]-27---> <---Che[MB][P1][SHS]-48---> <---Zoo[CBZ][P1+P2]-[NVH + XXX]-25--->	Phy [KVB]-38	Phy [KVB]-38	Maths[SWB]-38	Phy Edu[VNS]

Dr. A. D. Dutt
Chairman
Dr. A. D. Duttgaonkar
Timetable Committee (2022-23)

Teaching Staff

>	[PNN]-DR.P.N.NASRE	[KVP]-DR. K.P. JUMDE
>	[SRS]-DR. S.R. SITRE	[SWB]-S.W. BHOYAR
>	[KNS]-DR. K.N. SHINDE	[SSS]-S. S. SURUSHE
>	[VNS]-DR. V.N. SHINDE	[NNS]-N. N. SARKAR
>	[MNQ]-DR. M. N. QUADRI	[RJ]-ROSHANI JOHN
>	[KVB]-K.V. BHONGALE	[SM]-DR. S. MOTE
>	[SHS]-S.H. SHIRAME	[SKD]-S. K. DERKAR
>		[ABS]-A. B. SARKAR

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with effect from: 16/01/2023

Nilkanthrao Shinde Science & Arts College Bhadrawati Dist: Chandrapur

U.G. Time-Table (2022-23)

Class	8.10-8.58	9.00-9.48	9.50-10.38	10.40-11.28	11.28-11.48	11.50-12.38	12.40-1.28	1.30-2.18	2.20-3.08	3.10-3.58	4.00-4.30
MON	I	Mar [SM]-42 S/E [RJ]-39	Che [SHS]-42 C/S [XXX]-39	Bot [PNN]-42 Phy [GRB]-39	Zoo [NVH]-42 Maths [AVP]-39	M/B [SSS]-42 Phy [ADD]-39	Maths [LSL]-39 C/S [MNO]-39	Zoo [CBZ+MB] [P1+P2] [NVH]-25	Eng [RJ]-39	Phy Eduq [VNS]	
	II	Bot [PNN]-46 Phy [KVB]-38	Zoo [SRS]-46 Maths [NNS]-38	M/B [ABS]-46 Phy [GRB]-38	Che [KPI]-46 C/S [MNO]-38	Che [PCM] [P1+P2] [RSH + SHS]-48 Bot [CBZ] [P1+P2] [NSW+PNN]-24 M/B [ABS]-41 Phy [C/S] [KVB]-23	Zoo [SRS]-54 Maths [SKD]-37	Che [ABD]-54 C/S [XXX]-37	EVS-38	Phy [KNS]-37	
	III	Che [CBZ]-P1+P2+P3 [ABD + RSH + KPI]-48 Bot [CMbZ] [P1] [XXX]-24 Zoo [CMbZ] [P1] [XXX]-25 Phy [PCM] [P1+P2] [ADD+KNS]-23 C/S [P+P2] [MNO]-27	Che [SHS]-42 C/S [MNO]-39	Bot [NSW]-42 Phy [GRB]-39	Zoo [NVH]-42 Maths [AVP]-39	M/B [SSS]-42	Zoo [CBZ+MB] [P1+P2] [NVH +XXX]-25	Eng [RJ]-39	Phy Eduq [VNS]		
UE	I	Mar [SM]-42 S/E [RJ]-39	Che [SHS]-42 C/S [MNO]-39	Bot [NSW]-42 Phy [GRB]-39	Zoo [NVH]-42 Maths [AVP]-39	M/B [SSS]-42	Maths [LSL]-39 C/S [XXX]-39	Phy [KNS]-39	Eng [RJ]-39	Phy Eduq [VNS]	
	II	Bot [NSW]-46 Phy [KVB]-38	Zoo [SRS]-46 Maths [NNS]-38	M/B [ABS]-46 Phy [GRB]-38	Che [KPI]-46 C/S [MNO]-38	Che [PCM] [P1+P2] [SHS+KPI]-48 Bot [CBZ] [P1+P2] [NSW+PNN]-24 M/B [ABS]-41 Phy [C/S] [KVB]-23	Zoo [SRS]-54 Maths [SKD]-37	Che [RSH]-37 C/S [XXX]-54	EVS-38	Phy [KNS]-37	
	III	Che [CBZ]-P1+P2+P3 [ABD + RSH + KPI]-48 Bot [CMbZ] [P1] [XXX]-24 Zoo [CMbZ] [P1] [XXX]-25 Phy [PCM] [P1+P2] [ADD+ XXX]-23 C/S [P+P2]-27	Che [SHS]-42 C/S [MNO]-39	Bot [NSW]-42 Phy [GRB]-39	Zoo [NVH]-42 Maths [AVP]-39	M/B [SSS]-42	Zoo [CBZ+MB] [P1+P2] [NSW]-24 Phy [PCM] [P1] [GRB]-23 C/S [P+P2]-27	Eng [RJ]-39	Phy Eduq [VNS]		
/ED	I	Eng [RJ]-39	Bot [NSW]-42 Phy [GRB]-39	Che [SHS]-42 C/S [MNO]-39	M/B [ABS]-42 Maths [AVP]-39	Zoo [NVH]-42 Maths [NNS]-39	Bot [CBZ+MB] [P1+P2] [NSW]-24 Phy [PCM] [P1] [GRB]-23 C/S [P+P2]-27	Eng [RJ]-39	Phy Eduq [VNS]		
	II	Che [RSH]-46 C/S [XXX]-38	M/B [ABS]-46 Phy [KVB]-38	Zoo [NVH]-46 Maths [SKD]-38	Bot [NSW]-46 Maths [AVP]-38	Phy [ADD]-38 C/S [XXX]-38	Che [CBZ+MB] [P1+P2] [RSH+SHS]-48 Zoo [SRS]-54 Maths [AVP]-37	EVS-38	Phy [KNS]-37		
	III	Che [PCM] [P1+P2] [ABD+KPI]-48 Bot [CBZ] [P1+P2] [PNN + XXX]-24 Phy [PCsM] [P1+P2] [ADD+KNS]-23 M/B [P1] [SSS]-41	M/B [ABS]-46 Phy [KVB]-38	Zoo [NVH]-46 Maths [SKD]-38	Bot [NSW]-46 Maths [AVP]-38	Phy [ADD]-38 C/S [XXX]-38	Che [CBZ+MB] [P1+P2] [RSH+SHS]-48 Zoo [SRS]-54 Maths [AVP]-37	EVS-38	Phy [KNS]-37		
	I	Eng (Tu) [RJ]-39	Bot [NSW]-42 Phy [KVB]-39	Che [SHS]-42 C/S [MNO]-39	M/B [ABS]-42 Maths [AVP]-39	Zoo [SRS]-42 Maths [SKD]-39	Bot [CBZ+MB] [P1+P2] [NSW]-24 Phy [PCM] [P1] [GRB]-23 C/S [P+P2] [MNO]-27	Mar/SE -39	Phy [XXX]-38	Phy Eduq [VNS]	
	II	Che [RSH]-46 C/S [XXX]-38	M/B [ABS]-46 Phy [GRB]-38	Zoo [NVH]-46 Maths [SKD]-38	Bot [NSW]-46 Maths [SKD]-38	Phy [ADD]-38 C/S [XXX]-38	Che [CBZ+MB] [P1+P2] [RSH + XXX]-48	Phy [XXX]-38	Phy Eduq [VNS]		

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THU	III	Phy[XXX]-37	<---Che[PCM]P1+P2-[ABD+KP]-48---> <---Bot[CEZ]P1+P2-[PNN+XXX]-24---> <---Phy[PCM]P1+P2-[ADD+XXX]-23---> <---M/B [P1][SSS]-41--->	Maths[AVP]-38 Che [ABD]-37 Zoo [INVH]-54 C/S [MNO]-54	Phy[ADD]-38 Zoo [INVH]-54 Phy [KVB]-37	Phy [KNS]-38 M/B [ABS]-54 C/S [XXX]-37	C/S [XXX]-38 Bot [XXX]-54	Phy Edu [VNS]
	I	M/B [SSS]-42	Zoo [SRS]-42 Maths [NNS]-39 Bot [PNN]-46	Maths [NNS]-39 Bot [PNN]-42 Phy [ADD]-39 Zoo [XXX]-46	<---Bot[MB]P1+P2-[SRS+SRS+XXX]-25---> <---Zoo[CEZ+MB]P1+P2-[P1+P2+P3][SRS+SRS+XXX]-25--->	Phy [XXX]-46 Maths [AVP]-38	Phy Edu [VNS]	
FRI	II		Bot [PNN]-46 Zoo [XXX]-46	M/B [ABS]-46	Phy [KVB]-38 Maths [SKD]-37	Phy [XXX]-46 SEC-37	Phy Edu [VNS]	
	III	Phy[XXX]-37	<---Phy[PCM]P1+P2-[KVB+KNS]-23---> <---C/S [P1+P2][MNO+XXX]-27---> <---Che[MB]P1+P2-[ABD]-48---> <---Zoo[CEZ]P1+P2-[NVH+XXX]-25--->	Bot [NSW]-54 Maths [SKD]-37	Che [XXX]-37 C/S [XXX]-54	Zoo [NVH]-54 Maths [LSL]-37	Phy Edu [VNS]	
	I	M/B-[SSS]-42	Phy [GRB]-37 Zoo [SRS]-42 Maths-[NNS]-39 Bot [PNN]-46	Maths [NNS]-37 C/S [XXX]-37 Che [RSH]-42 C/S [XXX]-39 M/B [ABS]-46	<---Bot[MB]P1+P2-[ABD+XXX+ZZZ]-48---> <---Zoo[CEZ+MB]P1+P2+P3][SRS+SRS+XXX]-25--->	Phy [XXX]-46 Maths [AVP]-38	Phy Edu [VNS]	
SAT	II		Bot [PNN]-46 Zoo [XXX]-46	M/B [ABS]-46	Maths [LSL]-38 Phy [KVB]-38	Maths [AVP]-38 Zoo [NVH]-54	Phy Edu [VNS]	
	III	Phy [KNS]-37	<---Phy[PCM]P1+P2-[KVB+XXX]-23---> <---C/S [P1+P2][H XXX+YYY]-27---> <---Che[MB]P1+P2-[SRS]-48---> <---Zoo[CEZ]P1+P2-[NVH+XXX]-25--->	Bot [XXX]-54 Maths [NNS]-37	Che [SRS]-37 C/S [XXX]-54	Zoo [NVH]-54 SEC-37	Phy Edu [VNS]	

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D. D. Dalgaonkar
Chairman
Dr. A. D. Dalgaonkar
Timetable Committee (2022-23)

Teaching Staff	S	T
[PNN]-DR.P.N.NASRE [SRS]-DR. S.R. SITRE [KNS]-DR. K.N. SHINDE [VNS]-DR. V.N. SHINDE [MNO]-DR. M.N. QUADRI [KVB]-K.V. BHONGALE [SHS]-S.H. SHRIRAME	> > > > > > >	[KPI]-DR. K.P. JUMDE [AVP]-A.V. PAWAR [SSS]-S.S. SURSHI [NNS]-N.N. SARKAR [RJI]-ROSHANI JOHN [SM]-DR. S.M. MOTE [SKD]-S.K. DERKAR [ABS]-A.B. SARKAR

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College Preliminary Examination

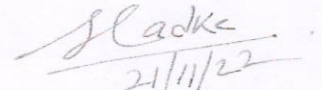
निळकंठराव शिंदे विज्ञान व कला महाविद्यालय, भद्रावती जि. चंद्रपूर

सुचना

B.Sc./B.A Sem – I, III, V च्या सर्व विद्यार्थ्यांना सुचित करण्यात येते की, महाविद्यालयीन सराव परिक्षा :- हिवाळी २०२२ (College preliminary test winter – 2022) दि. २३/११/२०२२ पासून सुरु होत आहे. हि परिक्षा सर्व विद्यार्थ्यांनी देणे अनिवार्य (Compulsory) आहे. जे विद्यार्थी हया परिक्षेला उपस्थित राहणार नाही त्यांचेवर दंडात्मक कारवाही करण्यात येईल तसेच हया विद्यार्थ्यांना मिळणारी शिष्यवृत्ती त्यांना न देता शासनास परत करण्याची कार्यवाही घेतली जाईल याची नोंद घ्यावी.

- टिप:- १) सराव परिक्षेचे वेळापत्रक हिवाळी सुट्टयापुर्वी What App group वर प्रसिद्ध करण्यात आले असून आता त्यामध्ये सुधारणा केलेले सुधारीत वेळापत्रक (Revised time table) दिनांक २१/११/२०२२ ला प्रसिद्ध करण्यात आले आहे.
- २) पेपरचा पुर्ण वेळ झाल्याशिवाय कोणालाही Answer sheet परत देता येणार नाही.
- ३) सराव परिक्षा, विद्यापीठ परिक्षेच्या प्रचलीत नियमानुसार होईल.
- ४) परिक्षेचा निकाल घोषित करण्यात येईल.


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21/11/22
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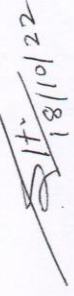
**NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE BHADRAWATI
COLLEGE PRELIMINARY EXAMINATION WINTER - 2022**

TIME TABLE - SCIENCE FACULTY

Date	Time	Sem - I	Sem - III	Sem - V
23/11/2022	9.00-12.00 A.M.	Chem. - I / CS-I	Maths-I / Bot-I	Phy-I / Zoo-I
24/11/2022	9.00-12.00 A.M.	Chem- II/ CS-II	Maths -II / Bot.-II	Phy-II/ Zoo- II
25/11/2022	9.00-12.00 A.M.	Phy- I/ Zoo-I	Chem-I / CS-I	Maths-I/ Botany- I
26/11/2022	9.00-12.00 A.M.	Phy- II / Zoo-II	Chem-II / CS-II	Maths-II/Botany- II
28/11/2022	9.00-12.00 A.M.	Maths- I/ Bot-I	Phy-I / Zoo-I	Chem-I / CS-I
29/11/2022	9.00-12.00 A.M.	Maths-II / Bot-II	Phy-II / Zoo-II	Chem-II / CS-II
30/11/2022	9.00-12.00 A.M. 12.00-3.00 P.M.	Microbiology - I English	Microbiology- I	Microbiology- I
01/12/2022	9.00-12.00 A.M. 12.00-3.00 P.M.	Microbiology - II Marathi / Suppl. Eng.	Microbiology- II	Microbiology- II


Dr. R.S. Hajare
Chief Supervisor

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Bhadrawati


Dr. Shashikant R. Sitre
Joint Chief Supervisor

College Preliminary Examination
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Dr. L.S. Ladke
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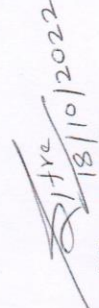
NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE BHADRAWATI


COLLEGE PRELIMINARY EXAMINATION WINTER -2022


TIME TABLE - ARTS FACULTY

Date	Time	Sem- I	Sem - III	Sem - V
23/11/2022	12.00-3.00 P.M.	Marathi	History	Geography
24/11/2022	12.00-3.00 P.M.	English	Geography	Sociology
25/11/2022	12.00-3.00 P.M.	Geography	Sociology	History
26/11/2022	12.00-3.00 P.M.	History	Marathi	English
28/11/2022	12.00-3.00 P.M.	Sociology	English	Marathi


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College Preliminary Examination – Physics

Nilkantharao Shinde Science & Arts College Bhadrawati Dist: Chandrapur

Preliminary Examination-2022

Subject: Physics

Paper- I

Class: F.Y. B.Sc. SEM-I

(Mechanics and Relativity)

Time: Three Hours

Max Marks: 50

Notes: 1. All questions are compulsory

2. Draw well labelled diagrams wherever necessary

1. Either

- a) i) Define: Inertial and Non-Inertial frame of reference. 2
ii) Derive an expression for acceleration of a particle moving in a uniformly rotating frame with respect to inertial frame. 6
iii) Derive an expression for the centripetal force acting on the particle in a rotating frame of reference. 2

OR

- b) i) Show that in the absence of external force the velocity of centre of mass remains constant. $2\frac{1}{2}$
ii) Find the total linear momentum of a system of particles about the centre of mass. $2\frac{1}{2}$
iii) Show that when no external force acts on a body the acceleration of centre of mass is zero. $2\frac{1}{2}$
iv) The distance between Carbon and Oxygen atom in CO molecule is 1.12Å . Find the centre of mass of CO molecules with respect to C atom. $2\frac{1}{2}$

2. Either

- a) i) Explain the principle of Rocket. 2
ii) Obtain an expression for the velocity acquired by single stage Rocket. 6
iii) A rocket of mass 5000 kg is projected vertically up. If the gases escape out with the velocity 500 m/s. Find the rate of consumption of fuel to overcome the weight of the rocket. 2


OR

- b) i) Explain the terms i) Elastic collision ii) Inelastic collision. $2\frac{1}{2}$
ii) Discuss the phenomenon of collision in one dimension between two particles when collision is perfectly elastic. $2\frac{1}{2}$
iii) Discuss the phenomenon of perfectly inelastic collision in one dimension between two particles. $2\frac{1}{2}$
iv) Two objects of mass $m_1 = 2\text{ gm}$ and $m_2 = 5\text{ gm}$ possess velocity $u_1 = 10\text{ cm/sec}$ and $u_2 = 5\text{ cm/sec}$. They suffer an elastic collision. Find the velocities of both the objects after collision. $2\frac{1}{2}$

3. Either

- a) i) Define moment of inertia. State its S.I. unit and dimensions. 2
ii) Derive an expression for moment of inertia of the solid sphere about its diameter. 6

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iii) Assuming the earth to be solid sphere of uniform density 5520 kg/m^3 and radius 6400 km , calculate the moment of inertia about its axis of rotation. 2

OR

- b) i) Define angular momentum. State its. S.I. units $2\frac{1}{2}$
ii) Show that torque as time rate of change of angular momentum. $2\frac{1}{2}$
iii) State and prove the principle of conservation of angular momentum for a system of particles. $2\frac{1}{2}$
iv) A 500 gm mass is whirled round in a circle at the end of a string 40 cm long the other end of which is held in the hand. If the mass makes 50 revolutions per second what is its angular momentum? If the number of revolutions is reduced to one after 20 second, calculate the torque acting on the mass. $2\frac{1}{2}$

4. Either

- a) i) State the fundamental postulates of special theory of relativity. 2
ii) Derive an expression for length contraction. 2
iii) Derive Einstein's relativistic velocity addition formula 4
iv) Find the percentage contraction in the length of a rod, in a frame of reference moving with a velocity $0.8c$ in a direction parallel to its length 2

OR


- b) i) Explain the principle of consistency of speed of light $2\frac{1}{2}$
ii). Derive an expression for relativistic variation of mass with velocity $2\frac{1}{2}$
iii) Derive an expression for time dilation and discuss the result. $2\frac{1}{2}$
iv) The total energy of a particle is exactly is twice of its rest mass energy. What is the velocity of the particle? $2\frac{1}{2}$

5. Solve any ten of the following

- (a) State Newton's laws of motion. 1
(b) Define centripetal force 1
(c) What is reduced mass? 1
(d) What is linear momentum? Write its S.I. Unit 1
(e) What is multistage Rocket? 1
(f) Write the application of elastic collision. 1
(g) State the principle of perpendicular axis. 1
(h) Define radius of gyration. 1
(i) Define torque. 1
(j) Define homogeneity of time 1
(k) Why material particle cannot have velocity equal to or greater than velocity of light. 1
(l) Define proper length. 1

=====XO=====

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College Preliminary Examination - Computer Science

BSSB

Nilkanthrao Shinde Science and Arts College,

Bhadrawati Dist. Chandrapur

Preliminary Exam- Winter 2022

Subject: **Computer Science** Class: **B.Sc. Sem-I** Marks: **50**
Time: **3 hrs** Paper No. :-**I** Paper Name: **Information and Communication Technology**

- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat and labeled diagram wherever necessary.
3. Avoid vague answers and write answers relevant to specific to questions only.

1. Either

- a) Draw the block diagram of Computer with appropriate label. Explain about CPU. 5
b) What is secondary memory? Also explain any two types of secondary memory. 5
OR
c) Discuss on characteristics of computer. 5
d) Convert: 5
i) $(1000001)_2 = (?)_8$ ii) $(33)_{10} = (?)_2$

2. Either

- a) Describe Joystick in brief. 5
b) Explain: 5
i) Barcode Reader ii) MICR
OR
c) Differentiate between Dot Matrix and LASER Printer. 5
d) Discuss on: 5
i) Hard Disk ii) Optical Disk

3. Either

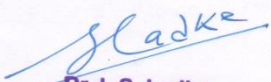
- a) Write the functions of operating system. 5
b) Write a note on classification of operating system on the basis of task. 5
OR
c) Describe: 5
i) Disk cleanup ii) Notepad
d) Write a short note on control panel. 5

4. Either

- a) Discuss on computer communication in brief. 5
b) What is Topology? Explain star topology with suitable figure. 5
OR
c) Differentiate between LAN and MAN. 5
d) Write details about E-mail. 5

5. Solve all questions:

- a) Write a note on ASCII code. $2\frac{1}{2}$
b) Write a note on pen drive. $2\frac{1}{2}$
c) Write a short note on Recycle bin. $2\frac{1}{2}$
d) What is Protocol? Give example. $2\frac{1}{2}$


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Armita Gadhri

College Preliminary Examination – Botany

20/11/22
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NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE, BHADRAWATI*

Preliminary Examination Winter 2022

B.Sc. Sem. – I, Paper II

Paper II: PLANT DIVERSITY – II

Time 3 hrs.

Max. Marks 50

Note: 1) All questions are compulsory and carry equal marks.

2) Draw well labelled diagram wherever necessary.

Que.1) Write on –

5 X 2 = 10

- a) Vegetative reproduction in Riccia
- b) Sexual reproduction in Anthocros

OR

Write short notes on –

2½ X 4 = 10

- c) Vegetative reproduction in Funaria.
- d) General Characteristic of Bryophyta
- e) Classification of Bryophytes
- f) Economic importance of Bryophytes

Que.2) Write on –

5 X 2 = 10

- a) Sexual reproduction in Selaginella
- b) Sexual reproduction in Equisetum

OR

Write short notes on –

2½ X 4 = 10


- c) Sporocarp of Marsilea
- d) Heterospory
- e) Seed habit
- f) Types of stele

Que.3) Write on –

5 X 2 = 10

- a) Sexual reproduction in Cycas
- b) Sexual reproduction in Pinus

OR


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Write short notes on – **2½ X4=10**

- c) General Characteristic of Gymnosperm
- d) Classification Gymnosperm by Spore
- e) Coralloid roots
- f) Female cone of Pinus

Que.4) Write on – **5 X 2 = 10**

- a) Geological Time Scale
- b) Glossopteris leaf

OR

Write short notes on – **2½ X4=10**

- c) Replacement theory
- d) Compression
- e) Cycloidea stem
- f) Impression

Que. 5) Write answer in two or three lines only diagram is not necessary **1 X10= 10**

- | | |
|------------------|---------------------------|
| a) Bryophytes | h) Male Cone |
| b) Protonema | i) Cycas |
| c) Paraphyses | j) Devonian |
| d) Pteridophytes | k) Father of Palaeobotany |
| e) Horsetail | l) Palaeobotany |
| f) Rhynia | |
| g) Gymnosperm | |

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College Preliminary Examination – Mathematics

Nilkanthrao Shinde Science & Arts College Bhadrawati Dist.Chandrapur

Preliminary examination summer- 2022

Subject: Mathematics Paper – II Class: BSc I (CBCS)SemI
(Differential Calculus&Trigonometry)

Time: 3hours

Max. Marks. 60

Notes : 1. Solve all five questions.

2. All questions carry equal marks.

UNIT - I

1. a) If limit of a function $f(x, y)$ as $(x, y) \rightarrow (x_0, y_0)$ exists, then prove that it is unique. 6

b) Let real valued functions f and g be continuous in an open set $D \subseteq \mathbb{R}^2$. Then prove that $f \cdot g$ are continuous in D . 6

OR

c) If $u = \frac{e^{x+y+z}}{e^x + e^y + e^z}$, $u_x + u_y + u_z = 2$ where $u_x = \frac{\partial u}{\partial x}$
6

d) If $u = F(x - y, y - z, z - x)$ then prove that $\frac{\partial u}{\partial x} + \frac{\partial u}{\partial y} + \frac{\partial u}{\partial z} = 0$ 6

UNIT - II

2. a) Verify Euler's theorem as homogeneous functions for $u = \log \left(\frac{x+y}{x-y} \right)$ 6

b) If $xu = yz$, $yv = xz$ and $zw = xy$ then find $\frac{\partial(x,y,z)}{\partial(u,v,w)}$ 6


OR

c) Expand $x^3 - 2xy^2$ in Taylor's series about the point $(1, -1)$ 6

d) Use the method of Lagrange multipliers to locate all local maxim and minima and also find the absolute maximum or minimum of $f(x, y) = x^2 + y^2$, where $x^u + y^u = 1$ 6

UNIT – III

3. a) Find the tangent at the origin to the curve $x^2y^2 = a^2(x^2 + y^2)$. 6


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b) Find the curvature of the cycloid $x = \theta - \sin \theta$, $y = 1 - \cos \theta$ at the highest point of an arc 6

OR

c) Find the asymptotes of the curve $3x^3 + 2x^2y - 7xy^2 + 2y^3 - 14xy + 7y^2 + 4x + 5y = 0$ 6

d) Trace the curves : $a^2y^2 = x^2(a^2 - y^2)$ 6

UNIT - IV

4. a) prove that $(\cos \theta + i \sin \theta)^n = \cos n\theta + i \sin n\theta$ where $\theta \in \mathbb{R}$ and n is positive integer. 6

b) Find all the values of $(1 + i)^{\frac{1}{4}}$ 6

OR

c) Find all the values of $(-i)^{\frac{1}{5}}$ 6

d) If $\tan(\theta + i\phi) = e^{i\alpha}$, show that $\theta = (n + \frac{1}{2}) \frac{\pi}{2}$ and $\phi = -\frac{1}{2} \log \tan(\frac{\pi + \alpha}{4})$ 6

5. Solve any six.

a) Define $\epsilon - \delta$ definition of limit of a function $f(x, y)$. 2

b) If $z = f(x, y)$ show that $xz_x - yz_y = 0$ 2

c) If $x = r \cos \theta$, $y = r \sin \theta$ find $\frac{\partial(x, y)}{\partial(u, \theta)}$ 2

d) Define stationary point of $f(x, y)$ 2

e) Find the tangent and normal at $(1, 3)$ to the curve $y = x^3 + 2$ 2

f) Find ρ at the point (S, ψ) of the curve $S = c \tan \psi$ 2

g) Express the following in the polar form $z = -1 - i$ 2

h) Separate into real and imaginary parts of $\sin(x + iy)$ 2

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College Preliminary Examination – Chemistry

NILKANTHRAO SHINDE SCIENCE & ARTS COLLEGE, BHADRAWATI

COLLEGE PRELIMINARY EXAMINATION WINTER– 2022

B.Sc. II Semester - III

Sub : Chemistry Paper-II (Physical Chemistry)

Time : Three Hours

Max. Marks : 50

- Notes :**
1. All questions are compulsory and carry equal marks.
 2. Draw diagram and give equations wherever necessary.

- a) Explain Nernst Distribution law. Give its applications in extraction of solvent and when solute undergoes dissociation. Write the limitations of distribution law. 5
- b) State Phase rule. Describe the application of phase rule to the Sulphur system. 5

OR

- c) Explain the meaning of upper and lower critical solution temperature with example by drawing phase diagram. 2½
- d) What are Azeotropes ? Describe Azeotropic mixtures with minimum boiling pt. 2½
- e) Explain deviations from Raoult's law shown by Non-ideal solution. 2½
- f) Define Phase, Component and degree of freedom with example. 2½

- a) What are partial molar properties ? What is Chemical Potential ? Derive an expression for Vant Hoff's reaction isochore. 5
- b) What do you understand by Helmholtz free energy and Gibbs free energy. Explain physical significance of Helmholtz free energy.
The free energy change for a reaction, $N_2(g) + 3H_2(g) \rightleftharpoons 2NH_3(g)$ is -33.2 kJ at 298 K. Calculate equilibrium constant. 5

OR

- c) Explain entropy as a criteria of spontaneity and equilibrium. 2½
- d) Derive Gibbs-Helmholtz equation. 2½
- e) The values of equilibrium constant at 373 K and 413 K are 1.51 and 0.52 respec. Calculate the enthalpy change of reaction. ($R = 8.314$ J K mol⁻¹). 2½
- f) Derive Vant Hoff reaction isotherm. 2½

- a) Explain Integration method, differential method and Ostwald's Dilution method for Determination of order of reaction. 5
- b) State order of reaction. Derive the rate equation for rate constant of first order reaction. 5


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OR

- c) Explain Collision theory of bimolecular reaction. 2½
- d) Explain Homogeneous catalysis and Heterogeneous catalysis with suitable examples. 2½
- e) A first order reaction is 40% completed in 50 mins. Calculate the value of rate constant. 2½
- f) Derive the expression for half life period of first order reaction and write example for pseudo unimolecular reaction. 2½
- 4. a) What is colligative property? What is mean by elevation in boiling point? Derive the relation between molecular weight of the solute and elevation in boiling point of solution. 5
- b) What are the different types of magnetic behaviours shown by substance and explain each briefly. 5

OR

- c) Calculate freezing point of a solution containing 0.52gm of glucose is 80.2gm of water. (for water $k_f = 1.86Kkg / mole$) 2½
- d) How the osmotic pressure measured by Berkeley and Hartley method? 2½
- e) State and Explain Raoult's law. 2½
- f) How the Van't Hoff factor is used to determine degree of dissociation and degree of association. 2½
- 5. Attempt Any Ten. 10
- a) Draw the phase diagram for water system.
- b) What is Triple Point ?
- c) What is an ideal solution ?
- d) Write an equation for entropy change in Isobaric process.
- e) State and write an equation for law of mass action.
- f) Write two limitations of first law of Thermodynamics.
- g) Write Arrhenius equation and terms involved in it.
- h) Define Promoters and Inhibitors.
- i) Define molecularity of reaction.
- j) What is meant by spin quantum number.
- k) Define ebullioscopic constant and cryoscopic constant.
- l) Define Molarity and Mole fraction of solution.

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College Preliminary Examination - Zoology

College Preliminary Examination Winter -2022
N.S.Science and Arts College, Bhadrawati, Dist.Chandrapur
B.Sc.PartII Semester –III Zoology (CBCS)

Paper II- Physiology and Biochemistry -I

Time : 3 Hours)

(Max.Marks : 50

- Note: 1. All questions are compulsory.
2. All questions carry equal marks.
3. Draw well labeled diagrams wherever necessary.

- Q.1 Write an account on Urea Cycle 10
- OR
- a) Gluconeogenesis 05
b) Metabolism of Lipids 05
- Q.2 Write anEssay on Classification of Enzymes 10
- OR
- a) General Properties of Enzymes 05
b) Factors Affecting Enzyme Activity 05
- Q.3 Write an account on Gastric Glands and Gastric Juice 10
- OR
- a) Pancreas 05
b) Functions of Liver 05
- Q.4 Write an account on Mechanism of Breathing and add a note on Gaseous Exahange 10
- OR
- a) Lung Diseases affecting the Interstitium 05
b) Effects of Smoking 05
- Q.5 Write in 4 or 5 Lines (Any Ten) 10
- i) Glycogenesis
ii) EMP Pathway
iii) Transamination
iv) Nomenclature of Enzymes
v) Enzymes as Biocatalysts
vi) Lock and Key theory
vii) Saliva
viii) SuccusEntericus
ix) Water Soluble Vitamins
x) Haemoglobin
xi) Lung Diseases Affecting the Air ways
xii) Emphysema



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College Preliminary Examination – Geography

सराव परीक्षा दिवाली - 2022

24/11/22 (30)

बि. ए. भाग - 2 (सेम - 3) CBCS

विषय - भूगोल

वेळ - 3 तास

कुल - 50

- सूचना - 1) सर्व प्रश्न सोडविणे आवश्यक आहे.
2) सर्व प्रश्नांना समात गुण आहे.
3) योग्य नकाशे आकृत्या व आलेख यांना फ्रेम दिल्या जाईल.
4) नकाशा व स्टोन्सिलचा वापर करता येईल.

प्र-1 वेगळ्याचा मुख्य वृद्धन सिद्धांत स्पष्ट करा.

(10)

किंवा

मुकंप म्हणजे काय? मुकंपामुळे पृथ्वीच्या पृष्ठभागावर होणाऱ्या परिणामाची चर्चा करा.

प्र-2 प्रवाह प्रणालीचे प्रकार स्पष्ट करा.

(10)

किंवा

नदीच्या संचयन कार्यापासून निर्मित मूरूपे स्पष्ट करा.

प्र-3 खोडक्यात उत्तरे लिहा.

- अ) भू-दालचाली म्हणजे काय? भूदालचालीचे विविध प्रकार सांगा.
ब) पृथ्वीचे अंतरंग दरीविणारी सुबक आकृती काढा.

किंवा

(10)

क) मूरूपशास्त्राच्या व्याख्या स्पष्ट करा.

ड) प्राकृतिक भूगोलात मूरूपशास्त्राचे स्थान सांगा.

प्र-4 खोडक्यात उत्तरे लिहा.

अ) विदारणाचे प्रकार लिहा.

ब) अमनजिन्य खडकांचे अंतर्गत प्रकार दरीविणारी सुबक आकृती काढा.

किंवा

(10)

Ladke

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क) खडकाचे वर्गीकरण लिहा.

ड) रासायनिक विदारणाच्या प्रक्रियेवर परिणाम करणारे घटक सांगा.

प्र-६ खालील वस्तुनिष्ठ प्रश्नांसाठी योग्य पर्याय निवडा. (10)

१) रूपांतरित खडकाचे — हे उत्तम उदाहरण होय.

अ) चुनखडक ब) संगमवर ङ) लोफस व) पंकाश्म

२) आफ्रिका व युरोप खंड परस्परान्कडे कमी-अधिक गतीने सरकून — पर्वताची निर्मिती झाली.

अ) शंकी ब) आल्पस ङ) हिमालय व) अँनडिज

३) आडव्या खडकाची निर्मिती होते त्यास — म्हणतात.

अ) शिलापट्ट ब) डार्क ङ) बॅथोलिथ व) फॅकॉल्लिथ

४) महाराष्ट्रातील मराठवाड्यात — ह्या वर्षी भूकंप झालेला होता.

अ) १९९० ब) १९९३ ङ) १९९६ व) १९९९

५) शिलावरण व पृथ्वीचा गाभा यामधील थराला — म्हणतात.

अ) प्रावरण ब) सीमा ङ) सिखल व) भूकवच

College Preliminary Examination – Sociology

निकुंठराव शिंदे विज्ञान व कला महाविद्यालय, भद्रावती (६)

सराव परिक्षा हिवाळी - २०१२

वर्ग: सी.ए. भाग: २ सेम - ५

विषय - समाजशास्त्र (आदिवासी समाजाचे समाजशास्त्र)

वेळ - २ ता. १०

सुं. १०

सुचना:

१) सर्व प्रश्न सोडविणे आवश्यक आहे.

२) सर्व प्रश्नांना समान सुंण आहे.

प्र. १ अ. आदिवासींची व्याख्या करा. जाती व समाजातील भेद स्पष्ट करा
किंवा (१६)

आदिवासी मधील संस्कृतीकरणामधी प्रक्रिया स्पष्ट करा.

प्र. २ अ. आदिवासी समाजातील डोडीदार त्रिवर्णीय पध्दती स्पष्ट करा.
किंवा (१६)

आदिवासी अर्थव्यवस्थेची व्याख्या करा. आदिवासी अर्थव्यवस्थेची वैशिष्ट्ये लिहा.

प्र. ३ अ. शोडनमान इतरे लिहा. (कोणतेही दोन) (१६)

अ) आदिवासी समाजाची वैशिष्ट्ये.

ब) नातेदारीचे महत्त्व.

क) जिल्हाद्वारा काढातील आदिवासींचा विकास.

ड) आदिवासी समाजातील शैलीचे प्रकार.

प्र. ४ अ. शोडनमान इतरे लिहा. (कोणतेही दोन.) (१६)

अ) आदिवासींचे लोक संरचनात्मक विश्लेषण.

ब) आदिवासी कुटुंबाची वैशिष्ट्ये

क) लिटुरेशन

ड) आदिवासी अर्थव्यवस्थेतील अटक.

Ladke

(पुढील पानावर)

Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

- प्र. पुवा. रवालील पैकी प्रत्येक प्रश्नांचे संक्षिप्त उत्तरे लिहा.
- अ) जातीचा अर्थ
 - ब) विवाहाचा उद्देश
 - क) सामाजिक गतिशिलेपणाच्या व्याख्या
 - ड) संपत्तीचा अर्थ
 - इ) मातृसत्ताक कुटुंब
 - फ) सामाजिक गतिशिलेपणाचे प्रकार.
 - ग) संपत्तीचे प्रकार
 - ह) आदिवासी विवाहाचे प्रकार

→X←
→X←
→X←



नोंदणीचे प्रमाणपत्र

याद्वारे प्रमाणपत्र देण्यात येते की, खाली वर्णन केलेली विश्वस्तव्यवस्था ही आज, मुंबई सार्वजनिक विश्वस्तव्यवस्था अधिनियम, १९५० (सन १९५० चा मुंबई अधिनियम क्रमांक २९) या अन्वये चंद्रपूर येथील सार्वजनिक विश्वस्तव्यवस्था नोंदणी कार्यालयात योग्य रीतीने नोंदण्यात आलेली आहे.

सार्वजनिक विश्वस्तव्यवस्थेचे नाव निळकंठराव शिंदे सायन्स अँड आर्ट कॉलेज ऑल्युमिनी असोसिएशन, भद्रावती, ता.भद्रावती, जि.चंद्रपूर

सार्वजनिक विश्वस्तव्यवस्थांच्या नोंदणी पुस्तकातील क्रमांक F-0015443(CDP)

लेमराज सदाशिव लडके यांस प्रमाणपत्र दिले.

आज दिनांक 23 November 2021 रोजी माझ्या सहीनिशी दिले

Certificate of Registration

It is hereby certified that the Public Trust described below has this day been duly registered under the Mumbai Public Trust Act, 1950 (BOM.XXIX of 1950) at the Public Trust Registration office Chandrapur

Name of the Public Trust NILKANTHRAO SHINDE SCIENCE AND ART COLLEGE ALUMINI ASSOCIATION BHADRAVATI TA.BHADRAVATI ZI.CHANDRAPUR

Number in the Register of Public Trusts F-0015443(CDP)

Certificate issued to LEMRAJ SADASHIO LADKE

Given under my hand this 23 Day of November 2021.



Abale
23.11.2021
Signature

Ladke
Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

Assistant Charity Commissioner,
Chandrapur Region, Chandrapur

(२)

"निळकंठराव शिंदे सायन्स अँड आर्ट कॉलेज ॲल्युमिनी असोसिएशन, भद्रावती, ता.भद्रावती, जि.चंद्रपूर"

या संस्थेच्या नियम व नियमावली प्रमाणे या कार्यकारी मंडळावर सदरहु संस्थेची व्यवस्था व कारभार सोपविण्यात आलेला आहे. अशा कार्यकारी मंडळाच्या सभासदाचे संपुर्ण नाव, पत्ता, पद, वय, राष्ट्रीयत्व व व्यवसाय पुढील प्रमाणे आहे :-

अ.क्र.	सभासदाचे नाव व पत्ता	हुदा	वय	शिक्षण	व्यवसाय	राष्ट्रीयत्व
१.	डॉ. लेमराज सदाशिव लडके रा. त्रिवेनी नगर वार्ड नं. १, लोणवाही, ता.सिंदेवाही, जि.चंद्रपूर	अध्यक्ष	५८	एम.एस.सी., पी.एच.डी., एम.फील.	नौकरी	भारतीय
२.	डॉ. नरेन्द्र विनायकराव हरणे रा. ठेंगे प्लॉट, गुरुनगर, भद्रावती, ता.भद्रावती, जि.चंद्रपूर	सचिव	४५	एम.एस.सी., पि.एच.डी., एम.फील.	नौकरी	भारतीय
३.	डॉ. विशाल निळकंठराव शिंदे रा. बाजार वार्ड, विठ्ठल मंदिर जवळ, भद्रावती, ता.भद्रावती, जि.चंद्रपूर	सहसचिव	३७	एम.ए., एम.पि.एड., पि.एच.डी.	नौकरी	भारतीय
४.	डॉ. गजेन्द्र रामदास बेदरे रा. साने गुरुजी कॉलनी, रेल्वे स्टेशन रोड जवळ, भद्रावती, ता.भद्रावती, जि.चंद्रपूर	कोषाध्यक्ष	४५	एम.एस.सी., पि.एच.डी., एम.फील.	नौकरी	भारतीय
५.	श्री. नितिन विठ्ठल आसुटकर रा. विवेकानंद स्कूल, किल्ला वार्ड, कुणबी सोयायटी, भद्रावती, ता.भद्रावती, जि.चंद्रपूर	सदस्य	३६	बि.एस.सी.	व्यवसाय	भारतीय
६.	अब्दुल अजीज इस्माईल शेख रा. आंबेडकर वार्ड, प्रगती मार्केट जवळ, भद्रावती, ता.भद्रावती, जि.चंद्रपूर	सदस्य	४०	बि.ए.	नौकरी	भारतीय
७.	श्री. विशाल रामचंद्र गौरकार रा. झाडे प्लॉट, घुटकाळा वार्ड नं.१०, भद्रावती, ता.भद्रावती, जि.चंद्रपूर	सदस्य	४५	एम.ए. समाजशास्त्र	नौकरी	भारतीय
८.	श्री. प्रवीण पांडुरंग कांबळे रा. आंबेडकर नगर, गुरुनगर चिचोर्डी, भद्रावती, ता.भद्रावती, जि.चंद्रपूर	सदस्य	४२	बि.एस.सी.	व्यवसाय	भारतीय
९.	श्री. विजय नानाजी निवलकर रा. झाडे प्लॉट, घुटकाळा वार्ड, भद्रावती, ता.भद्रावती, जि.चंद्रपूर	सदस्य	४२	बि.एस.सी.	नौकरी	भारतीय
१०.	श्री. श्रीकांत सुभाष दाते रा. झीन्गुजी वार्ड, भद्रावती, ता.भद्रावती, जि.चंद्रपूर	सदस्य	३९	बि.एस.सी.	नौकरी	भारतीय
११.	श्री. मोहन पुंडलिक बेलेकर रा. पांडव वार्ड, भद्रावती, ता.भद्रावती, जि.चंद्रपूर	सदस्य	४२	बि.एस.सी.	नौकरी	भारतीय
१२.	श्री. स्वतंत्रकुमार कृष्णदत्त शुक्ला रा. श्रीराम नगर, न्यु ताजने किराणा स्टोअर, भद्रावती, ता.भद्रावती, जि.चंद्रपूर	सदस्य	४२	बि.एस.सी.	नौकरी	भारतीय
१३.	श्री. कुलदीप विठ्ठल भोंगळे मु.काटवल(भ.), पो.आष्टा, ता.चिमुर्, जि.चंद्रपूर	सदस्य	३०	एम.एस.सी.	नौकरी	भारतीय

Ladke
Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

अध्यक्ष

कोषाध्यक्ष

निकुंभराव शिंदे शिक्षण व कला महाविद्यालय, भद्रावती
पक्षांकरीता जलपाठा विलक्षण कार्यक्रम
दिनांक - 13/05/2023.

"अहवाल"

- निकुंभराव शिंदे शिक्षण व कला महाविद्यालयातील वर्ग, विद्यार्थी संघाच्यार्फे दिनांक 13/05/2023 रोजी महाविद्यालया पक्षांकरीता जलपाठाच्या विलक्षण ठरल्यात आले.

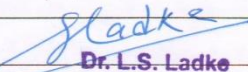
- या कार्यक्रमाचे अध्यक्ष महाविद्यालयाचे प्रभारी डॉ. एम.एस. लडके, प्रमुख पाहुणे भद्रावती शिक्षण संस्था, भद्रावतीचे सचिव डॉ. कार्लिक शिंदे प्रा. डॉ. शरिकांस शिंगे व प्रा. संदिप प्रधान उपस्थित होते.

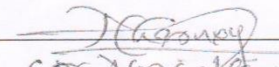
- महाविद्यालय दिवस अखेरीस कालावधानात होव्या प्रमाणात उठाना आहे. उठाना कालावधानात वन्य प्राण्यांकरावर पशु पक्षींना पाणी मिळव नसल्यामुळे इतरात अन्नाचे काणस आहे त्यामुळे त्यांचे प्राणवायुचे प्रमाण वाढत आहे हे रोखण्याकरिता महाविद्यालयातील कक्षा विद्यार्थ्यांनी दिनांक 13/05/2023 रोजी पक्षांकरीता जलपाठा विलक्षणाने कार्यक्रमाचे आयोजन करून जलपाठा विलक्षणाने करून लक्ष्य महाविद्यालयातील उद्यानामध्ये असलेल्या झाडावर जलपाठा बांधणे व पक्षांची पाण्याची संध्याची व्यवस्था केली.

- याप्रसंगी महाविद्यालयाचे प्रभारी डॉ. एम. एस. लडके यांनी कक्षा विद्यार्थ्यांच्या या-वांगल्या उपकरणात शुभेच्छा दिल्या.

- याप्रसंगी कुमाल पलंगे, दिलीप भायनकर, कुलगुरु के.एस. खेडकर, दिलीप गीरी व रेणुका बकरवाल हे कक्षा विद्यार्थी उपस्थित होते.

दि. 15/05/2023
भद्रावती.

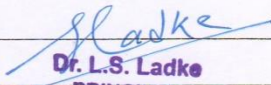

Dr. L.S. Ladke
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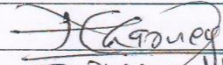

(Dr. M.V. Khedekar)
सचिव व कार्यक्रमाचे आयोजक
कक्षा विद्यार्थी संघाचा
ज्य. एस. काणस. भद्रावती.

निकटवर्ती शिक्षण व कार्य महाविद्यालय,
भद्रावती जि. - चंद्रपुर.
माजी विद्यार्थी संघाचा -
पक्षोक्तरीत्या जलपात्र विलक्षण कार्यक्रम
दिनांक 13/05/2023.

कार्यक्रमाकरिता उपस्थित माजी विद्यार्थी.

- 1) कु. रेणुका कदवाल
- 2) कु. दिली माथोकर
- 3) कु. रेखा गिरी
- 4) कुणाल पलरगे
- 5) मयूर गौरकार
- 6) कु. वृत्त कोंड
- 7) कु. गिजल ठेंगे
- 8) कु. सोनिया शर्मा
- 9) कु. पवल ल्यांग
- 10) कु. स्वाली - पापळीवार
- 11) कु. शिवांगी कोड
- 12) कु. सामिक्ता डोंगे
- 13) कु. देवयानी बेरिकर
- 14) कु. मयुरी शोळे.


Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur


Dr. H.V. Harney
Chairman - Alumni
Association.

Nilkanthrao Shinde Science and Arts College, Bhadrawati, Dist. Chandrapur
Alumni Association
Earthen Pot Distribution Programme for Birds
13-05-2023



Ladke

Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

Parent – Teacher Association – Meeting


N.S. Science and Arts College
Bhadrawati,

Parent Teacher Association

2022-2023

DR. L. S. Ladke - president
Shri Nishal Gaurkar - Secretary (palak)
DR. A. B. Dhote - vice president
DR. G. R. Bedare - Treasure
Shri Sharad Korde - member
Shri Sunil S. Patange - member
DR. K. D. Sahare - member
Prof S. H. Shirame - member
DR. N. S. Wadhane - Co-ordinator

~~Dr. L. S. Ladke~~
DR. N. S. Wadhane
Co-ordinator
Parent Teacher
Association


Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist. Chandrapur

२३५१)

27/04/2023

Page No. :
Date :

माहितीदातांच्यातील सर्व प्राध्यापकांनी
सुयोग्य वेळापत्रक घेऊन कि माहितीदातांच्या
महत्त्वाचे दि 28/04/2023 रोजी 11:00 वाजता
पाठन-विभाग समेते आयोजन केले
आहे तरी सर्व प्राध्यापकांनी समेते
उपस्थित राहावे.

N. S. Medhane

DR. N.S. Medhane
Co-ordinator
Parent Teachers
Association

(Chasney)

Patil

Patil

Patil

Patil

Patil

Patil

Patil
18/12/23

Patil

L. S. Ladke
Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist. Chandrapur

29/04/2023

पारलक्षणेचा अहवाल

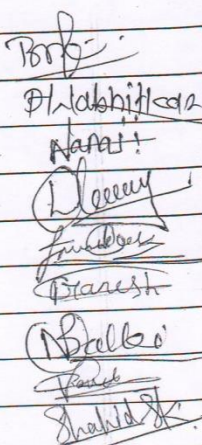
Page No. :

Date :

मि. वि. विभाग व कला शाखा, भद्रावती	11]
जेथे दि 28/04/2023 रोजी 11.00 वाजता	12]
पारलक्षक शिक्षक संघाची सभा आयोजित	13]
केली होती. 2012 संशोधन अहवाल	14]
सह्युग शाखा विद्यालयान्या जेष्ठ प्राध्यापिका	15]
डॉ. पेजी. चोटे कडून उपस्थित होत्या	16]
उमुख पाठ्ये सह्युग डॉ. राजेंद्र बेर्डे	17]
उपस्थित होते. पारलक्षक सह्युग श्री	18]
विशाल श. गोरकार व श्री 20 गीत	19]
मरा पारलक्षणे यांनी आपले विचार	20]
व्याप्त केले. कार्यक्रमाचे शुक्रवाळ	21]
डॉ. मरा मरा वाडेचे तर आचार डॉ.	22]
श्रीमती मरा शिंदे यांनी मानले.	23]
संदर्भ कार्यक्रमाचा मसुदा 23 वाळ	
हजार होते.	

2012 संशोधन खात्रीय पारलक्षक

उपस्थित होते

- | | |
|-------------------------------------|---|
| 1) विशाल रामचंद्र गोरकार |  |
| 2) लडू नाशरण कडुकर | |
| 3) मरा दादाजी हरी वाघीकर | |
| 4) नानाजी परशुराम निखाडे | |
| 5) लक्ष्मण शोभाकांत चौधरी | |
| 6) ज्ञानवीराम प्रभाकर गोंडकर | |
| 7) गणेश वसंतराव सुरमुरे | |
| 8) निळकंठ बापूराव वामकुटी | |
| 9) वेंकटेश वारधवाणी मोगापल्ली | |
| 10) शहिद नजीर शेख | |

Ladke

Ladke
Dr. L. S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist. Chandrapur

- | | | |
|-----|--------------------------|-----------------------|
| 11) | लतीफ नजीर पठाण | Amir |
| 12) | अनिल दामोदर राऊत | Amit |
| 13) | उमेश महंत साह | Umesh |
| 14) | सुलोचा मधव जिवतोडे | स. म. जिवतोडे |
| 15) | जालिन सरदार चाँ पठाण | Shahin |
| 16) | हाशिम इब्राहीम खोश | H.I. Shaikh |
| 17) | शाहिदा महमद चाँ पठाण | Shahida |
| 18) | प्रविण तुलाधर गौरकार | Ravi |
| 19) | राजू वासुदेव सुभोडवार | R.W. Sumbhwar |
| 20) | मिनानाथ हरिचंद्र दिडमुठे | M. M. Diddmuth |
| 21) | विनोद रोडबाजी काळेकर | V. K. Kalekar |
| 22) | सुनिल उद्धव भुजे | S. S. Bhuj |
| 23) | सुनिल सु. पतरंग | S.S. Patrang |

N. S. Ladke
 Coordinator
 Parent Teacher
 Association.

Dr. L.S. Ladke
 PRINCIPAL
 N.S. Science & Arts College
 Bhadrawati, Dist. Chandrapur

**Nilkanthrao Shinde Science and Arts College, Bhadrawati,
District Chandrapur**

Parent Teacher Association

2022-23



Parent Teacher Association Program Dated 28-04-2023

Ladke

**Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist.-Chandrapur**

Daily Diary – Chemistry

Daily Record

Day - Sat Date: 21/1/23

Time of Presence in the College (Academic Work): _____

(Extension Work): _____

Teaching Work

Class	BSC-II		
Period Time	11.30 to 12.40		
Topic Taught	Nitro Comp.		
Present Students			

Details Library/Laboratory/Research/Extension/Other work

Time	Nature of work
	N.C.C. Paved (practice)

Ladke

Dr. L.S. Ladke
PRINCIPAL

N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

[Signature]
Signature of
Teacher

[Signature]
Head of the
Department

[Signature]
Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

Daily Diary – Zoology

Daily Record

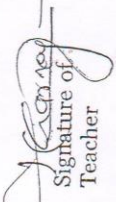
Day - Friday Date: 03/03/2023
 Time of Presence in the College (Academic Work): _____
 (Extension Work): _____

Teaching Work

Class	BSC III (P) (CB2)	BSC III	
Period	9.00 to 11.28	2.20 to 3.08	
Topic Taught	fixation of tissue	Electron microscopy	
Present Students	/		

Details Library/Laboratory/Research/Extension/Other work

Time	Nature of work
12 to 2	Reading


 Signature of Teacher
Dr. L.S. Ladke
 PRINCIPAL
 N.S. Science & Arts College
 Bhadravai, Dist: Chandrapur
 Head of the Department
 Principal 6/3/23

Daily Record

Day - Saturday Date: 04/03/2023
 Time of Presence in the College (Academic Work): _____
 (Extension Work): _____

Teaching Work

Class	BSC III (P) (CB2)	BSC III	
Period	9.00 to 11.28	2.20 to 3.08	
Topic Taught	dehydration process	Transmission Electron microscopy	
Present Students	/		

Details Library/Laboratory/Research/Extension/Other work

Time	Nature of work
12 to 2	Study - Reading


 Signature of Teacher
Dr. L.S. Ladke
 PRINCIPAL
 N.S. Science & Arts College
 Bhadravai, Dist: Chandrapur
 Head of the Department
 Principal 6/3/23

Daily Diary – Physics


Day - Fr Date : - 20/01/2023
 Time of Presence in the College (Academic Work) : _____
 (Extension Work) : _____

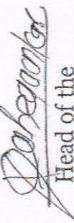
Teaching Work

Class	B.Sc - II	B.Sc - II	
Period Time	9.00	12.40	
Topic Taught	Practical Resolving power of Telescope	Types of Laser	
Present Students			

Details Library/Laboratory/Research/Extension/Other work

Time	Nature of work
1.30 - 3.30	Project Student Topic work


 Signature of Teacher


 Head of the Department
 N.S. Science & Arts College
 Bhadrawati, Dist-Chandrapur

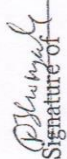
Day - Sat Date : - 21/01/23
 Time of Presence in the College (Academic Work) : _____
 (Extension Work) : _____

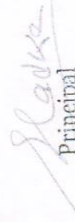
Teaching Work

Class	B.Sc - II	B.Sc - II	
Period Time	9.00	1.30	
Topic Taught	Practical Angle of Prism	Ruby Laser	
Present Students			

Details Library/Laboratory/Research/Extension/Other work

Time	Nature of work


 Signature of Teacher


 Head of the Department
 N.S. Science & Arts College
 Bhadrawati, Dist-Chandrapur

Daily Diary - Botany

Daily Record

Day - Wednesday Date: 17/8/22
 Time of Presence in the College (Academic Work): _____
 (Extension Work): _____

Teaching Work

Class	BSC Sem I	BSC Sem III	BSC Sem I
Period Time	9:00 to 9:48	11:50 to 12:38	12:42 to 3:08
Topic Taught	Sex-organ in chlamydomonas	Double fertilization in Angiosperm	To prepare the tempo-lam slide of Vaucheria
Present Students			

Details Library/Laboratory/Research/Extension/Other work

Time	Nature of work
10:00 to 11:50	BOOK READING
10:30 to 3:40	BOOK READING

Signature of Teacher _____
 Head of the Department _____
 Dr. P. D. S. Ladke
 PRINCIPAL
 N.S. Science & Arts College
 Bhadravati, Dist-Chandrapur

Daily Record

Day - Thursday Date: 18/8/22
 Time of Presence in the College (Academic Work): _____
 (Extension Work): _____

Teaching Work

Class	BSC Sem I	BSC Sem III	BSC Sem I
Period Time	9:00 to 9:48	11:50 to 12:38	12:42 to 3:08
Topic Taught	Morphology and bisexual reproduction in mucor	Types of pollination	To prepare the temporary slide of Ectocarpus
Present Students			

Details Library/Laboratory/Research/Extension/Other work

Time	Nature of work
10:00 to 11:50	BOOK READING
3:10 to 3:40	BOOK READING

Signature of Teacher _____
 Head of the Department _____
 Dr. P. D. S. Ladke
 PRINCIPAL
 N.S. Science & Arts College
 Bhadravati, Dist-Chandrapur

Daily Diary – History

Daily Record

Day - Friday

Date: 30/09/2022

Time of Presence in the College

(Academic Work): 9:00 to 2:00

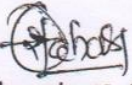
(Extension Work): _____

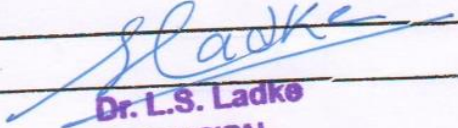
Teaching Work

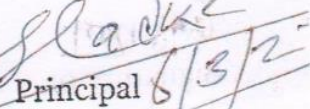
Class	B.A I	B.A III	B.A II
Period Time	IST 9:00 to 9:48	IIrd 9:50 to 10:38	IIIrd 10:40 to 11:28.
Topic Taught	हृष कथन धराती		उत्ति लिजन अत धाराती मुल्योडन
Present Students			

Details Library/Laboratory/Research/Extension/Other work

Time	Nature of work
1130 to 200	Reading Books in library


Signature of
Teacher


Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist. Chandrapur
Head of the
Department


Principal 6/3/22

Ph.D. Student Progress Report

Nilkathrao Shinde Science and Arts College, Bhadrawati,
Distt. Chandrapur

Centre for Higher Learning and Research

Name of Student : Mr. Sachin H. Shrikame
Subject : CHEMISTRY
Faculty : Science and Technology
Thesis entitled : "Ultrasonic investigation on the solution of Anti-malarial drugs at different temperatures"
Name of Supervisor : Dr. A. B. Dhote

Report on Seminar (No : 01)

Nice topic and Review of literature. Now they should proceed for the practical work.

Dhote
Supervisor

(Name Dr. A. B. Dhote)
N. S. College, Bhadrawati

Shankarhi
Subject Expert

(Name Dr. Dhaushree Parakhai)
Aundhiketanu college
Nasara

PRINCIPAL/HEAD
Place of Research Work (CHLR)
Nilkathrao Shinde Science & Arts
College Bhadrawati Dist-Chandrapur

Ladke
Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

Ladke
PRINCIPAL/HEAD
CHLR AND SPECIALIZED STUDIES
Nilkathrao Shinde Science and Arts
College Bhadrawati Dist Chandrapur
9/2/22

Nilkathrao Shinde Science and Arts College, Bhadrawati,
Distt. Chandrapur

Institution for Higher Learning ~~and~~ Research & Specialized Studies

Name of Student : ^(IHLR & SS) Ms. Bhasati Vishnupant Barsole

Subject : Mathematics

Faculty : Science and Technology

Thesis entitled : Study of Cosmological Models of the Universe in $f(R)$ and $f(R, T)$ Theories of Gravitation

Name of Supervisor : Dr. G.S. Ladke.

Report on Seminar (No : 02)

The second seminar on second ph.d. progress report is conducted on date 09/12/2022.
The seminar of the above candidate is satisfactory.

Supervisor

(Name Dr. G.S. Ladke)

Dr. G.S. Ladke

PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

Gladke
Dr. G.S. Ladke
PRINCIPAL

N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

Subject Expert

Name Dr. D.N. Werasde
Khatri college, Tukem
Chandrapur

Gladke
Head IHLR & SS 9/12/22

IHLR & SS

Nilkathrao Shinde Science and Arts College, Bhadrawati,
Distt. Chandrapur

Institution for Higher Learning ~~and~~ Research & Specialized Studies

Name of Student : ^{CHLR & SS} Ms. Shivkumar R. Ghatuskar
Subject : ZOOLOGY
Faculty : Science and Technology
Thesis entitled : Studies on ecology of Macroinvertebrates of
three lakes of Aamori Tehsil of Gadchiroli
District (MS) India with respect to physico-
-chemical and biological characteristics
Name of Supervisor : Dr. H. V. Hazare M

Report on Seminar (No : 02)

The second seminar on second PHD progress
report is conducted on dated 9/12/22.
Seminar given by candidate is good and satisfactory.

H. V. Hazare
Supervisor 9/12/2022

(Name Dr. H. V. Hazare
N.S. College, Bhadrawati)

Sachin
Subject Expert

Name Dr. Sachin Misre
Savitri Mahavidyalaya
Chandrapur

L. S. Ladke
Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

Head L. S. Ladke
CHLR & SS
PRINCIPAL / HEAD
9/12/22
H.L.R AND SPECIALIZED STUDIES
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur.

Nilkathrao Shinde Science and Arts College, Bhadrawati,
Distt. Chandrapur

Institution for Higher Learning and Research & Specialized Studies

Name of Student: ^{CIHLR & SS} Mr. Subhash Vitthal Kinnake

Subject: PHYSICS

Faculty: Science & Technology

Thesis entitled: Acoustical Studies on molecular interactions of some α -Alkols in Binary Mixtures


Name of Supervisor: Dr. G. R. Bedare

Report on Seminar (No: 02)


The second seminar on Ph.D. progress report is conducted on dated 09/12/22 work found to be satisfactory


Supervisor

(Name Dr. G. R. Bedare
Mr. G. R. Bedare
Bhadrawati


Subject Expert . 9/12/22

Name Dr. D. M. Simpatkonde
Subedar
Chandrapur


Dr. L. S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

Head IHLR & SS
PRINCIPAL
CIHLR AND SPECIALIZED STUDIES
Nilkathrao Shinde Science and Arts
College, Bhadrawati, Dist. Chandrapur

Nilkanthrao Shinde Science and Arts College, Bhadrawati
Dist. Chandrapur
Institution of Higher Learning Research and Specialized Studies

Name of Student : Mr. Jayendra Giresidhar Nakade
Subject : BOTANY
Faculty : Science and Technology
Thesis Titled : Pharmacognostic study of Wild leafy vegetables of Gadchiroli district, Maharashtra
Name of Supervisor : Dr. P.N. Nasare

Report On Seminar (No. 01...)

Work is satisfactory

P.N. Nasare

Supervisor - 12/4/2023

(Name : Dr. P.N. Nasare)

Assistant Professor

Nilkanthrao Shinde Science & Arts College
Bhadrawati Dist. Chandrapur

Prashant
12/04/2023
Subject Expert

(Name : Dr. Prashant)

Arunsiketan College,
Nasare, Dist - Chandrapur

L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

L.S. Ladke
Head IHLR & SS
PRINCIPAL / HEAD
HLR AND SPECIALIZED STUDIES
Nilkanthrao Shinde Science and Arts
College Bhadrawati Dist Chandrapur.

Nilkanthrao Shinde Science and Arts College, Bhadrawati, Dist. Chandrapur

Six month progress report Ph.D. seminar Presentation of student



Ladke

Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

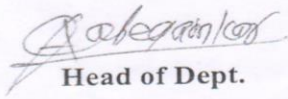
M.Sc. Project Completion Certificate

CERTIFICATE

This is to certify that the dissertation entitled "**Acoustical Study of Binary Mixtures at 298 K Temperature and 3 MHz Frequency**" is a bonafide record of independent research work done by **Ashwini Raju Daiwalkar**, (PRN. No. 2018033700023739) under my supervision during 2022 - 2023, submitted to the Gondwana University, Gadchiroli in partial fulfillment for the award of the Degree of **Master in Physics** and that the dissertation has not previously formed the basis for the award of any other degree, diploma, associateship, fellowship or other title.

Date: 18/04/2023

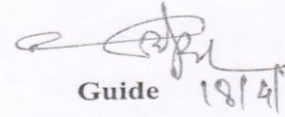
Place: Bhadrawati



Head of Dept.

Dr. A. D. Dahegaonkar
Assistant Professor

N.S. Science and Arts College
Bhadrawati, Dist: Chandrapur


Guide 18/4/2023

Dr. G. R. Bedare
Assistant Professor

N.S. Science and Arts College
Bhadrawati, Dist: Chandrapur

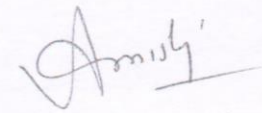


Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur



Signature of the Principal

(with seal) **Dr. L.S. Ladke**
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur


External Examiner

**NILKANTHARAO SHINDE SCIENCE & ARTS COLLEGE
BHADRAWATI, DIST – CHANDRAPUR
DEPARTMENT OF CHEMISTRY**

2022 – 2023

CERTIFICATE

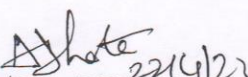
This is to certify that the project work on Assessment of Viscometric And Conductometric Study Of Antibiotics At Different Temperature And Concentration. District Chandrapur, Maharashtra. If own work of Miss. **VAISHALI SHARAD DAKHRARE** conducted as Nilkantharao Shinde Science & Arts College Bhadrawati, Dist – Chandrapur. Submitted to Gondwana University, Gadchiroli for the partial fulfilment of Degree of Master of Science in Chemistry, in the facility of Science under my guidance. To the best of knowledge, this work has not been submitted earlier to any university or institution for the award of any Diploma or Degree.


Project Incharge

Dr. Aparna B. Dhote

M.Sc, B.Ed, M.Phil, Ph.D

Head Dept. Of Chemistry


(Dr. Aparna.B.Dhote)

M.Sc, B.Ed, M.Phil, Ph.D

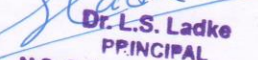
Head Dept. Of Chemistry

Nilkantharao Shinde Science And
Head

Department of Chemistry
N.S.Sci. & Arts College
Bhadrawati

Date- 22-4-2023

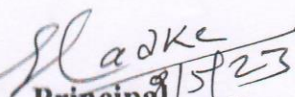
Place- Bhadrawati


Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

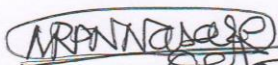
NILKANTHRAO SHINDE
SCIENCE AND ARTS COLLEGE
BHADRAWATI DIST. CHANDRAPUR (M.S.)


CERTIFICATE

This is certify that Miss. Shruti Rajendra Pipare Student of **MSC Sem IV Botany** successfully completed the project work entitled as **“Medicinal Plant in Our Area”** as a partial fulfillment for the degree of **Master of Science in Botany**. Gondwana University, Gadchiroli during accademic session **2022-2023**.


Principal
Dr. L.S. Ladke
Nilkanthrao Shinde
Science And Arts College
Bhadrawati Dist. Chandrapur
Dist. Chandrapur


Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist. Chandrapur


Dr. Praveenkumar Nasare
Guide
Dr. P.N. Nasare
PO Department of Botany
Nilkanthrao Shinde
Science And Arts
College Bhadrawati
Dist. Chandrapur


Co-ordinator
M.SC. Botany
Co-ordinator
Department of BOTANY

Assignment/Seminar Completion Certificate

NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE, CENTRE FOR HIGHER LEARNING AND RESEARCH

BHADRAWATI, DIST. CHANDRAPUR



Assignment / Seminar / Unit Test Book

ACADEMIC SESSION
2022 - 2023

Name of the Student: Minekshi Babun Vrautbas

Class : BSE II yr. Section : C.BZ

Subject : Zoology II Roll No. _____

Univ. Enrolment No : _____ Ladke

Dr. S. Ladke

PRINCIPAL, Bhadrawati

N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

Practical Record Completion Certificate

**NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE,
BHADRAWATI, DIST. CHANDRAPUR**



CERTIFICATE

PRACTICAL RECORD

Session 2022-23

Name of the Department CHEMISTRY

This is to certify that this practical record contains the bonafied practical work of

Shri/Kumari SHRASTI SHARMA.

During of Session 2022-23 in B.Sc. - IInd year (sem-III)

Class As per record his/her Roll No. is _____.

Date :


Head of Department


Head of Department


Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist. Chandrapur

Head
Department of Chemistry
N.S. Sci. & Arts College
Bhadrawati

**NILKANTHRAO SHINDE SCIENCE AND
ARTS COLLEGE, CENTRE FOR HIGHER
LEARNING AND RESEARCH
BHADRAWATI, DIST. CHANDRAPUR**



DEPARTMENT OF Physics

CERTIFICATE

This is to certify that Shri / Ku. / Smt. _____

Hitakshi Milind Thengne is a bonafide student of
Class B.Sc III yr Sem VI Roll No. _____ He / She has done
Unsatisfactory / Satisfactory / Good / Excellent Assignment work in
the subject Physics- paper- I in Academic Session 2022 - 23 .

Pahegaonkar
Incharge Teacher

Pahegaonkar
Head of the Deptt.

N. S. Sci. & Arts College, Bhadrawati

Ladke
Principal

DR. E. S. Ladke
PRINCIPAL
N. S. Sci. & Arts College, Bhadrawati
Bhadrawati, Dist-Chandrapur

Anand Screen, Bhadrawati 9850372295

Bhadrawati.

NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE,
BHADRAWATI, DIST. CHANDRAPUR



CERTIFICATE

PRACTICAL RECORD

Session 2022 - 23

Name of the Department Computer Science


This is to certify that this practical record contains the bonafied practical work of

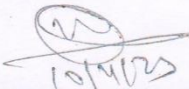
Shri/Kumari Khushi M. Kharwade

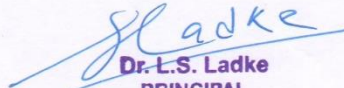
During of Session 2022-23 in BSC IIIrd (Sem VI)

Class As per record his/her Roll No. is _____

Date :


Head of Department


Head of Department


Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

**NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE,
BHADRAWATI, DIST. CHANDRAPUR**



CERTIFICATE

PRACTICAL RECORD

Session 2022-2023

Name of the Department Zoology

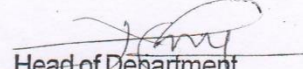
This is to certify that this practical record contains the bonafied practical work of


Shri/Kumari Trupti Vilay Markar

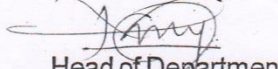
During of Session 2022-2023 in B.S.C 3rd year sem VI

Class As per record his/her Roll No. is _____

Date: 10/3/2023


Head of Department


Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur


Head of Department
Dr. N.V. Harney
Head

Department of Zoology
Nilkanthrao Shinde Science & Arts
College, Bhadrawati, Dist Chandrapur

NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE,
BHADRAWATI, DIST. CHANDRAPUR



CERTIFICATE

PRACTICAL RECORD

Session 2022 - 2023

Name of the Department Botany

This is to certify that this practical record contains the bonafied practical work of

Shri/Kumari Ashwini Dattatraya Aswale

During of Session 2022 - 2023 in _____

Class As per record his/her Roll No. is _____

Date: 13/10/22

(Signature)

(Signature)
Head of Department

(Signature)

(Signature)
Head of Department

(Signature)
N.S. College
Bhadrawati

(Signature)
N.S. College
Bhadrawati

(Signature)

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N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

NILKANTHRAO SHINDE SCIENCE & ARTS COLLEGE,

Bhadrawati, Dist. Chandrapur



CERTIFICATE

PRACTICAL RECORD

Session 2022-2023

Name of the Department P.G. DEPARTMENT OF ZOOLOGY

This is to certify that this practical record contains the bonafied practical work

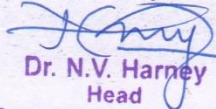
of Shri/ Kumari Kirtiraj Nimsarkar

Durring of Session 2022-23 in M.Sc. II - S-IV

Class As per record his/her Roll No. is _____.

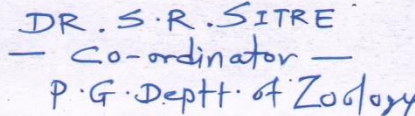
Date: 9-3-2023

Head of Department


Dr. N.V. Harney
Head

Department of Zoology
Nilkanthrao Shinde Science & Arts
College, Bhadrawati, Dist-Chandrapur

Head of Department


DR. S.R. SITRE
- Co-ordinator -
P.G. Deptt. of Zoology


Dr. L.S. Ladke
PRINCIPAL

Nilkanthrao Shinde Science & Arts College
Bhadrawati, Dist. Chandrapur

Unit Test – Physics


N S Science & Arts College Bhadravati Dist: Chandrapur

Department of physics

Class: B.Sc. I-SEM-I Subject: Physics Paper I

Date: _____ UNIT TEST – 01 _____ Max. Marks: 10

- | | |
|---|---|
| Qu. 1. State and explain Newton's laws of motion. What are their limitations? | 2 |
| Qu.2 Distinguish between inertial and non-inertial frame of reference. | 2 |
| Qu.3 Derive an expression for velocity in uniformly rotating frame of reference | 4 |
| Qu.4 State Kepler's laws of planetary motion. | 1 |
| Qu.5 What is central force. | |


Dr. L.S. Ladke
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Bhadrawati, Dist-Chandrapur

N.S. Science and Arts College, Bhadrawati
Dept of physics

Unit - Test - 01

Date: 27/09/2022 Subject - physics paper-I, class: MB section

Sl. No. - Name of students - signature

- | | |
|-----------------------------|---------------------------|
| 1) Tanaz Sheikh ✓ | <u>Tanaz</u> |
| 2) Komal Jangpalle ✓ | <u>Komal</u> |
| 3) Nitu Pisda ✓ | <u>Nitu</u> |
| 4) Gayatri Sah ✓ | <u>Gayatri</u> |
| 5) Pradnya Khobragade ✓ | <u>Pradnya Khobragade</u> |
| 6) Vasudha Pendora ✓ | <u>Vasudha</u> |
| 7) Shrawani Raut ✓ | <u>S.A. Raut</u> |
| 8) Nami da. R. Swati karr ✓ | <u>NR Swati karr</u> |
| 9) Madhumita N. Saha ✓ | <u>Madhumita</u> |
| 10) Suhana H. Sheikh ✓ | <u>Suhana</u> |
| 11) Prachi V. Turale ✓ | <u>Prachi Turale</u> |
| 12) Durga K. Pachare ✓ | <u>D.K. Pachare</u> |
| 13) Manaswi P. Pendam ✓ | <u>Manaswi</u> |
| 14) Jindal L. Pathan ✓ | <u>Jindal</u> |
| 15) Muskan Sheikh ✓ | <u>Muskan</u> |
| 16) Sahasini Urkoda ✓ | <u>Sahasini</u> |
| 17) Janhavi J. Mandavkar ✓ | <u>Janhavi</u> |
| 18) Anushi G. Zumber ✓ | <u>Anushi</u> |
| 19) Divya D. Pimpalkar ✓ | <u>Divya</u> |
| 20) Mansi B. Mathe ✓ | <u>Mansi</u> |
| 21) Bhumiika V. Bobade ✓ | <u>Bhumiika</u> |
| 22) Namrata P. Lanjewar ✓ | <u>Namrata</u> |
| 23) Dhanshi M. Khedmate ✓ | <u>Dhanshi</u> |
| 24) Tejaswini R. Ambilkar ✓ | <u>Tejaswini</u> |

Ladke
Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

Unit Test – Computer Science




Bhadrawati Shikshan Sanstha, Bhadrawati
NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE
Bhadrawati, Dist. Chandrapur (M.S.)
[Department of Computer Science]

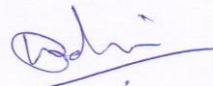
UNIT TEST-I

Class : **B. Sc. I Sem** Paper No & Name: **II: Programming Techniques & Introduction To 'C'**
Time : **50 min.** Date : **21/09/2022** Marks : **15**

Note: i) All questions are compulsory
ii) Draw neat and labeled diagram wherever necessary and assume suitable data if necessary.

- Q.1 a) Explain machine language and its advantages and disadvantages 05
OR
b) Explain High Level Language and its advantages and disadvantages 05
- Q.2 a) Explain the characteristics of good language 05
OR
b) What is Translator? Explain types of Translator 05
- Q.3 Write short note on (Any Two) 05
i) Linker
ii) Loader
iii) Assembly Language
iv) Compilation process


Dr. L.S. Ladke
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N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur


Dr. M. H. Quadri

Nilkanthrao Shinde Science And Arts College, Bhadrawati

Department of Computer Science

Class: **B.Sc. I Sem.**

Unit Test-I

Max. Marks: 15

Paper No.& Name: **II Programming Techniques & Introduction To 'C'** Date: 21 /09/2022

Sr. No.	Name	Marks
1	MANJIL SATISH MALEKAR	10
2	ROHIT RAMDAS NEHARE	13
3	SAKSHI SHANKAR GOURKAR	15
4	NAMRATA PRALHAD LANJEWAR	15
5	MANSI RAMU HUMANE	03
6	RUCHITA SUNIL CHOUDHARI	10
7	NOMITA RAGHUNATH SURTIKAR	09
8	ALFIYA ASLAM SHEIKH	12
9	ISHA BALKRUSHNA KSHIRSAGAR	14
10	SUHANA HANIF SHEIKH	06
11	JINAT LATIFKHA PATHAN	14
12	DHANSHRI MAHESH KHUTEMATE	13
13	MANSI BABAN MATTE	12
14	DIVYA DHANRAJ PIMPALKAR	12
15	ABHIJEET SHARDUL ALLIWAR	07
16	BHUMIKA VIJAY BOBADE	15
17	TANAAZ SHAHID SHEIKH	11
18	MUSKAN JAKIR SHEIKH	05
19	KUNAL RUPESH MODAK	07
20	PAYAL MILIND BHARATKAR	11
21	SANKET SURESH JAMDADE	10
22	SHUBHAM RAJESH NAGPURE	13
23	DURGA KISHOR PACHARE	14
24	PRACHI VIJAY TURALE	09
25	SHRAWANI ANIL RAUT	10
26	MANASWI PRATAP PENDAM	12
27	ABHINAV KUMARSWAMI MIDDHODDI	13
28	PRAJYOT VIJAY GAURKAR	09
29	NITU PARSHURAM DONGARE	12
30	SOMAN SWAMI BOINI	10
31	MRUNALI AJAY SAO	07
32	PIYUSH BANDU JAGNADE	07
33	SAKSHI PRABHAKAR MENGARE	15
34	KALYANI MADHUKAR PARDHI	14
35	ARBAJ SHAFI SHEIKH	09
36	BHASKAR VENKATAYYA KANDE	08
37	HARSH KISHOR PRASAD	11
38	TANUSH ANMOL DUPARE	08
39	CHANDANI VENKATAIYYA KANDE	12
40	PRAJWAL SUKHDEO MATTE	10
41	SUHASINI SURESH URKUDE	05
42	RUSHALI SANJAY JUNGHARE	06
43	MANISH RAJU DHALE	14
44	MADHUMITA NITAICHANDRA SAHA	05
45	YUVA SHYAM SUNDAR RAO TAMADA	13



Dr. M. N. Quadri

Asst. Prof. Department of Computer Science
N.S.Sci. & Arts College, Bhadrawati



Dr. L.S. Ladke
PRINCIPAL

N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

Unit Test – Botany

Unit Test 4

25/4/23

Question Paper

m.m. 15

Class - B.Sc. I Sem-II

Sub - Botany

Q. 1 Describe the primary structure of sunflower leaf. - 5

Q. 2 a) Draw well labelled diagram of dicot stem - $2\frac{1}{2}$

b) Draw well labelled diagram of sunflower root - $2\frac{1}{2}$

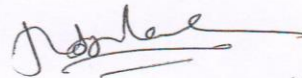
Q. 3 solve any five
write few lines about following

- major cell
- secondary growth
- Anomalous growth
- lateral cambium
- periderm
- Fibrous root
- root cap



Dr. L.S. Ladke
PRINCIPAL

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Bhadrawati, Dist-Chandrapur



Dr. N.S. Jadhav
Asst Prof in Botany
N.S. Sci. and Arts
College Bhadrawati

Unit Test No. I

Time : 45 min. m.m. 15

Gyanpath

Date

Class - B.Sc Ist Year. Botany 09/8/2022

Name	Obtained marks	Signature
1) Hemangi Shete	07	
2) Anamika S. Choudhary	12	
3) Pooja H. Ade	03	
4) Sanjana N. Balki	07	
5) Tanvi B. Salve	03	
6) Snehal S. Balki	10	
7) Paryansha Aglawe	09	
8) Meheehwari Leale	11	
9) Vishvazupa Kozlekare	10	
10) Asmita Donge	04	
11) Ragini Nikhade	08	
12) Vaish Raut	05	
13) Pranay Aghattamwar	02	

9/8/22
DR. N.S. Ladkare
N.S. Science and
Arts College
Bhadrawati

Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

Unit Test – Zoology

Nilkanthrao Shinde Science and Arts College, Bhadrawati

Paper – I – Developmental Biology

Unit Test – II – Unit – II – Zoology

Time – 1 hrs.

Max. marks = 20

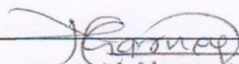
Date –

Describe gastrulation in frog 10m.


Explain structure of fertilized egg of chick 05m.

Explain types of extra-embryonic membrane 05m.

Total – 20 marks


Dr. N.V. Harney
Head

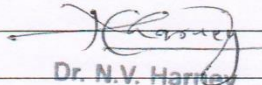
Department of Zoology
Nilkanthrao Shinde Science & Arts
College, Bhadrawati, Dist-Chandrapur

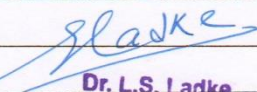

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PRINCIPAL

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Attendance sheet

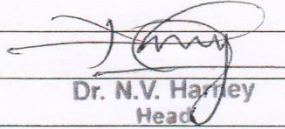
Prachi D. Labhikar	Prabhikar
Neha D. Labhane	Labhane
Minal G. Awtale	Awtale
Achal S. Nandurkar	Nandurkar
Dhanashree Nagose	D. Nagose
Vaishnavi Chopkar	V.R. Chopkar
Sakshi S. Vaideya	Sakshi V.
Durgeshwari R. Patilchi	Patilchi
T. Anand S. Badane	Badane
Komal K. Kankhade	Kankhade
Sakshi A. Yergude	Yergude
Minakshi D. Nandurkar	Nandurkar


Dr. N.V. Haritey
Head
Department of Zoology
Nilkanthrao Shinde Science & Arts
College, Bhadrawati, Dist-Chandrapur

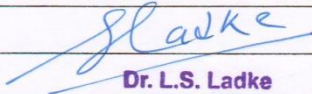

Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

Attendance

Prachi D. Wabitkar	12
Neha. D. Labhane	13
Minal - G. Awade	10
Achal . S. Nandurkar	11
Dhanashree . Nagase	12
Vaishnavi chopkar	10
Sakshi . Vaidhya	09
Purgeshwori . R. parkhi	10
Pranay . S. bawne	09
Komal . R. Wankhede	11
Sakshi . A. yergude	10
Minakshi. D. Virutkar	10


Dr. N.V. Hartley
Head

Department of Zoology
Nilkanthrao Shinde Science & Arts
College, Bhadrawati, Dist-Chandrapur


Dr. L.S. Ladke

PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

Unit Test – Chemistry

Unit Test - II 6/10/2022

- Q.1) who is the father of green chemistry?
- Q.2) write principle of green chemistry.
- Q.3) write short note on green solvents.
- Q.4) Explain cradle-to-cradle approach.

~~Ashale~~
6/10/2022

~~Ladke~~
Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

Unit Test-II

6/10/2022

- | | |
|-----------------------------------|-------------------------|
| 1) Aishwarya Tiwari | Aishwarya |
| 2) Hitakshi Milind Thengne | Hitrengne |
| 3) Supriya Vitthal Balpane | Supriya |
| 4) Anushka R. Jawale | ARJawale |
| 5) Rajeshwari . S. Sundargiwi | Rajeshwari |
| 6) Pranjali . G. Raipure | Pranjali |
| 7) Arati . S. Kakde | Arakde |
| 8) Achal . R. Jigalwar | Achhalwar |
| 9) Purachi . S. Bagade | P. Bagade |
| 10) Pallvi . S. Gowardipe | P. Gowardipe |
| 11) Iramnay . Sayyed Saifuraj Ali | Iramnay |
| 12) Divya Dipak Vyavahare | Divyavahare |
| 13) Sameer . R. Yadav | Sameer |
| 14) Adik B. Kshirsagar | Adikshirsagar |
| 15) Tejas D. Teking | Tejas |
| 16) Swapnil M. Gundhare. | Swapnil |
| 17) Krutika G. Kakde | K. Kakde. |
| 18) Nansi . D. Kamre | N. D. Kamre |
| 19) Sakshi . M. Kadwe | S. M. Kadwe |
| 20) Tanuj . P. Pandit | T. Pandit |
| 21) Gayatri A. Doye | G. A. Doye |
| 22) Kalyani R. Lambale | K. Lambale |
| 23) Arya . S. Muneshwar | A. S. Muneshwar |
| 24) Afrin I. Sheikh | A. I. Sheikh |

Dr. L.S. Ladke
PRINCIPAL

Dr. L.S. Ladke College

Unit Test – Sociology

Page No.

Date

निकककराव शिंदे विज्ञान व कला महाविद्यालय, भद्रावती जि. चंद्रपूर

Unit Test - I 2022

Subject - Sociology

Paper - Introduction to Sociology

Total Marks - 20

Class - B.A. I Sem-I

Date - 22/8/2022

प्र.1 सामाजिक संरचना अर्थात् सांख्यिक संरक्षणे प्रकार लिहा-१ 10

प्र.2 समाजशास्त्र मंडजे टाप ले सांख्यिक समाजशास्त्राचे खल्प लिहा. 05

प्र.3 समाजशास्त्र व अर्थशास्त्र यांचे संबंध स्पष्ट करा-१ 05

Ladke

Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist. Chandrapur

Ladke

प्रा. देवानंद लक्ष्मी अवर
जि. शिंदे. विज्ञान व कला महाविद्यालय
भद्रावती जि. चंद्रपूर.

मिळकराव शिंदे विद्यालय व उच्च महाविद्यालय महावती जि. चंद्रपूर

Class - B.A.I

Unit Test - I

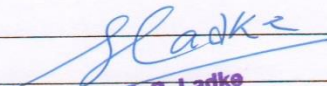
Date 22/8/2022

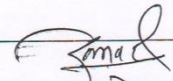
Subject - Sociology

Unit No- 1

Paper - Introduction to Sociology.

क्र.सं.	विद्यार्थ्यांचे नाव	सही.
1)	Vishakha V. Warkhede	V.V. Warkhede
2)	Ku. Renu R. Roy	R.R. Roy
3)	Shukra Rani D. Kamble	S.D. Kamble
4)	Dnyaneshwari S. Gowardipe	D.S. Gowardipe
5)	Nikhil R. Bhusewar	N.Bhusewar
6)	Prashant O. Badguwar	P.Badguwar
7)	Ku. Laxmi A. Warkar	L.A. Warkar
8)	Ku. Veshvi M. Pakmode	V.M. Pakmode
9)	Shweta M. Nannaware	S.M. Nannaware
10)	Ku. Achal U. Manuasmare	A.U. Manuasmare
11)	Pranita D. Wabhikar	P.D. Wabhikar
12)	Ku. Anushi A. Kamatakar	A.A. Kamatakar
13)	Ku. V Vashvi D. ATram	V.D. ATram


Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist. Chandrapur


प्रति देवांगन लक्ष्मी भवरे
मिळकराव शिंदे विद्यालय व उच्च
महाविद्यालय, महावती.

Unit Test - History

निकुंशव शिंदे विज्ञान व कला महाविद्यालय भद्रावती

UNIT Test - Ind.

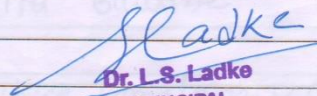
B.A Sem II - History -

Time - 45 minutes Jan - 2023 - 20 मार्क.

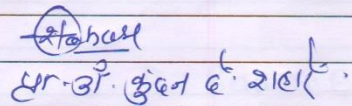
प्रश्न 1 कोणत्याही एका प्रश्नाचे उत्तर लिहा.

प्रश्न 2) पानिपतच्या पहिल्या युद्धाची कारणे आणि परिणाम लिहा

OR
शेरशाहच्या प्रशासन व्यवस्थेचे वर्णन करून त्याचे मुल्यांकन करा.


Dr. L.S. Ladke

PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist.-Chandrapur


Mr. G. K. Shinde

निकुंजराव शिंदे विज्ञान व कला महाविद्यालय भद्रावती

UNIT TEST - IInd.

B.A sem II - History - Result

Jan - 2023

Sr	Name of students	Marks out of 20	Signature
①	Pramita Wabnitkar	12	P. Wabnitkar
②	Shiwami Hamde	10	S. Hamde
③	Ankita Bawane	12	A. Bawane
④	Achal. Manusmare	10	A. manusmare
⑤	Kaish Bawane	11	N. Bhusewar
⑥	Nikhil Bhusewar	08	N. Bhusewar
⑦	Achal. Jitode	08	A. Jitode
⑧	Shakrmi Kamble	12	S. Kamble
⑨	Alisha Jambhule	08	A. Jambhule
⑩	Vishakha Warkhede	09	V. Warkhede
⑪	Ankita Bawane	10	A. Bawane
⑫	Anushree Kamatwar		A. Kamatwar

Dr. L. S. Ladke
PRINCIPAL
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Bhadrawati, Dist. Chandrapur

A. Kamatwar
Dr. B. J. Jadhav
21/1/23