

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) 2021-22

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

Academic Calendar

Session 2021-2022

First Term (Odd Semester) 30-08-2021 to 06-02-2022

Month	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Holiday	Total Days	Total Working Days
August	01	01	00	00	00	00	00	Nil	02	02
September	04	04	05	05	03	04	04	02	30	24
October	04	03	03	04	04	04	05	04	31	22
November	00	00	00	00	00	00	00	30	30	Nil
December	04	04	05	05	05	03	04	01	31	26
January	05	04	03	04	04	04	05	01	31	25
February	00	01	01	01	01	01	01	00	06	05
Total Days	18	17	17	19	17	16	19	38	161	118

Total Working Days	Number of Admission Days	Actual Teaching Days
118	25	93

Last date of admission	30-09-2021
Last date of admission with prior permission of Vice Chancellor	30-10-2021
Last date of admission with prior permission of Vice Chancellor	31-12-2021
Diwali Holidays/Winter Vacation	01-11-2021 to 30-11-2021

Holidays			
Sr. No.	Month	Date	Activity
1	September 2021	1-9-2021	Pola
		10-09-2021	Ganesh Chaturthi
2	October 2021	2-10-2021	Gandhi Jayanti
		6-10-2021	Pitru Moksha Amavasya
		15-10-2021	Dashahara
		19-1-2021	Eid
3	December 2021	25-12-2021	Christmas
4	January 2022	26-6-2022	Republic Day
5	February 2022	19-2-2022	Chatrapati Shivaji Maharaj Jayanti

(Dr. N. V. Hafney)
Chancellor - Academic
calendar
2021-22

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

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

Academic Calendar

Session 2021-2022

Second Term (Even Semester) – 07-02-2022 to 15-06-2022

Month	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Holiday	Total Days	Total Working Days
February	04	03	03	03	03	02	03	01	22	18
March	04	04	05	05	03	04	04	02	31	25
April	04	04	04	03	04	05	04	02	30	24
May	04	04	04	04	04	04	05	02	31	24
June	02	02	03	02	02	02	02	00	15	15
Total Days	18	17	19	17	16	17	18	07	129	106

Total Working Days	Actual Teaching Days
106	106

Holidays			
Sr. No.	Month	Date	Activity
1	March 2022	1-3-2022	Mahashivratri
		18-3-2022	Holi (Second Day)
2	April 2022	14-4-2022	Mahavir Jayanti
		14-4-2022	Dr. Babasaheb Ambedkar Jayanti
		15-4-2022	Good Friday
3	May 2022	3-5-2022	Ranzan Eid
		16-5-2022	Buddha Purnima

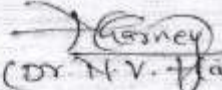
(Dr. N. V. Hegde)
Chairman - Academic
Calendar
2021-22


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Programmes

Sr. No.	Date	Programme
1.	15-08-2021	Independence Day
2.	26-08-2021	Placement Cell
3.	05-09-2021	Teachers Day Celebration
4.	08-09-2021	International Literacy Day
5.	30-09-2021 to 02-10-2021	NSS Week
6.	01-10-2021 to 07-10-2021	Wild Life Week
7.	02-10-2021	Mahatma Gandhi Jayanti
8.	06-10-2021	Alumni and Parent Teacher Association
9.	16-10-2021	Damma Chakra Anuvartan Din
10.	26-11-2021	Samvidhan Divas
11.	28-11-2021	Mahatma Phule Death Anniversary
12.	01 to 07-12-2021	AIDS Week
13.	06-12-2021	Dr. Babasaheb Ambedkar Maha Parinirvan Din
14.	03-01-2022	Savitribai Phule Jayanti
15.	26-01-2022	Republic Day
16.	01 to 07-02-2022	NSS Camp tentative
17.	05-02-2022	75 koti Suryanamaskar Sankalp
18.	19-02-2022	Chatrapati Shivaji Maharaj Jayanti
19.	08-03-2022	International Women Day
20.	11-04-2022	Mahatma Phule Jayanti
21.	14-04-2022	Dr. Babasaheb Ambedkar Jayanti
22.	01-05-2022	Maharashtra Day
23.	16-5-2022 to 20-05-2022	Preliminary Examination
24.	05-06-2022	World Environment Day
25.	21-06-2022	International Yoga Day


(Dr. N.V. Josney)
Chairman - Academic
calendar
2021-22


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Academic Calendar (University) 2021-22

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 2016) [ACADEMIC SECTION])

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

No.G.U./Acad./334/2021

Date : 10 /08/2021

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 2021-2022 shall be as under:-
Academic Calendar for the Session 2021-2022

Minimum instruction days per semester are:

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

A) ACADEMIC CALENDAR FOR THE COURSES CONDUCTED AS PER "SEMESTER" PATTERN FOR SESSION 2021-2022

1. Terms & Vacation

First Term (Odd semesters)	: 30/08/2021 to 06/02/2022
Diwali Holidays /Winter Vacation	: 01/11/2021 to 30/11/2021
Second Term (Even semesters)	: 07/02/2022 to 15/06/2022
Summer Vacation	: 16/06/2022 to 15/07/2022

2. Admissions

a) Last date of admission (First term odd sem)	: 30/09/2021
b) Last date for Admission with prior permission of the Vice-Chancellor	: 30/10/2021

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

- i) upto 10/10/2021 for admitted student upto 30/09/2021
- ii) upto 10/11/2021 for admitted student upto 30/10/2021
- iii) For centralized admission (CAP) last date of enrollment shall be 10 days from the date of admission, as notified by the competent authority.

4. Examination

a) Winter semester Examinations.

Commencement of Examination	: 06/01/2022 to 05/02/2022
Last date for receipt of examinations Forms	
a) Regular students	: 30/10/2021
b) Old Ex-students/ External student	: 30/10/2021
c) Ex-Students of immediately previous Examination	: 30/10/2021

5. Examination

a) Summer Semester Examinations.

Commencement of Examination	: 01/06/2022 to 14/7/2022
Last date for receipt of examinations Forms	
a) Regular students	: 15/03/2022
b) Old Ex-students/ External students	: 15/03/2022
c) Ex-Students of immediately previous Examination	: 15/03/2022

6. Declaration of Results As per provision of Maharashtra Public Universities Act, 2016


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B) ACADEMIC CALENDAR FOR THE COURSES CONDUCTED AS PER "ANNUAL" PATTERN FOR SESSION 2021-2022.

- 1. Terms & Vacation**
First Term : 30/08/2021 to 06/02/2022
Winter Vacation : 01/11/2021 to 30/11/2021
Summer Vacation : 16/06/2022 to 15/07/2022
- 2. Admission**
a) Last date of Admission : 30/09/2021
b) Last date for Admission with prior permission of the Vice-Chancellor : 30/10/2021
- 3. Last date of Enrolment**
Enrollment forms to the university
i) upto 10/10/2021 for admitted student upto 30/09/2021
ii) upto 10/11/2021 for admitted student upto 30/10/2021
iii) For centralized admission (CAP) last date of enrollment shall be 10 days from the date of admission, as notified by the competent authority.
- 4. Examinations**
a) Winter Examinations.
Commencement of Examination : 06/01/2022 to 05/02/2022
Last date for receipt of examination Forms
a) External students : 30/10/2021
b) Old Ex-Students : 30/10/2021
c) Ex-Students of immediately previous examination : 30/10/2021
- 5. Examinations**
a) Summer Examinations
Commencement of Examination : 01/06/2022 to 14/07/2022
Last date for receipt of examination Forms
a) Regular Students : 15/03/2022
b) Old Ex-Students : 15/03/2022
c) External Students : 15/03/2022
d) Ex-Students of immediately previous examination : 15/03/2022

Ph.D.

Sr. No.	Examination	Date
1	PET Examination	25 th September, 2022
2	Ph.D. Course Work	Shall be notified Separately.

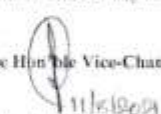
SPECIAL ACADEMIC EVENTS

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

Note: i) This Academic Calendar 2021-2022 have been prepared by assuming that the situation created due to Covid-19 will be sorted out. But if the situation degrades further due to COVID-19 then this Calendar schedule may be change and shall be notified time to time

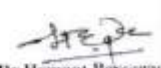
ii) Commencement of Next Academic Session for this batch shall be 16/07/2022

By Order of the Hon'ble Vice-Chancellor


(Dr. Anil Z. Chitade)
Registrar

Copy forwarded for information and necessary action to :-

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


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


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Time-Table 2021-22

Nilkanthrao Shinde Science & Arts College Bhadrawati Dist. Chandrapur (M S)

P.G. Department of Physics

Class: M. Sc. (Physics)

Time-Table-2021-22

w.e.f : 01/12/2021

Day/Time	Class	10.00-11.00	11.00-12.00	12.00-1.00		1.30-2.30	2.30-3.30	3.30-4.30					
MON	SEM-I	CA & NM [DPG]	M.P. [SKS]	ELE [DPG]	R	Pract-I [GRB]							
	SEM-III	Pract-I [ADD]				SSP & SP [DPG]	N & N-I [SKS]	Q.M. II [DPG]					
TUE	SEM-I	CA & NM [DPG]	M.P. [SKS]	ELE [DPG]		E	Pract-I [GRB]						
	SEM-III	Pract-I [ADD]					SSP & SP [DPG]	N & N-I [SKS]	Q.M. II [DPG]				
WED	SEM-I	CA & NM [DPG]	M.P. [SKS]	E.D. -I [SKS]			S	Pract-I [GRB]					
	SEM-III	Pract-I [ADD]						SSP & SP [DPG]	N & N-I [SKS]	FOS [SKS]			
THU	SEM-I	CA & NM [DPG]	M.P. [SKS]	E.D. -I [SKS]				T	Pract-II [KNS]				
	SEM-III	Pract-II [KVB]							SSP & SP [DPG]	N & N-I [SKS]	FOS [SKS]		
FRI	SEM-I	ELE [DPG]	SEM [SKS]	E.D. -I [SKS]					T	Pract-II [KNS]			
	SEM-III	Pract-II [KVB]								Q.M. II [DPG]	SEM [DPG]	FOS [SKS]	
SAT	SEM-I	ELE [DPG]	SEM [DPG]	E.D.-I [SKS]						T	Pract-II [KNS]		
	SEM-III	Pract-II [KVB]									Q.M. II [DPG]	SEM [SKS]	FOS [SKS]

SEM-I
M.P.- Mathematical Physics
C.A. & N.M. – Complex Analysis & Numerical Method
ELE- Electronics
E. D-I. – Electrodynamics -I
SEM- Seminar

SEM-III
Q.M. II- Quantum Mechanics-II
SSP & SP : Solid state Physics & Spectroscopy
N & N.-I Nano science & Nanotechnology-I
FOS- Fundamental of Spectroscopy
SEM- Seminar

Teaching Staff

[ADD]- Dr A D Dahegaonkar	[SKS]- S K Sayyed
[GRB]- Dr G R Bedare	[DPG]- D P Ghugul
[KNS]- Dr K N Shinde	
[KVB]- K V Bhongale	

Dahegaonkar
Coordinator
Dr. A D Dahegaonkar

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NILKANTHARAO SHINDE SCIENCE & ARTS COLLEGE BHADRAWATI
L. G. Science Faculty


B.Sc. SEM. (II, IV & VI) Tentative Time-Table (2021-22) with effect from: 17/02/2022
(Online Teaching)


Day	Class	9.00-9.45	9.50-10.35	10.40-11.25	11.30-11.45	11.45-12.30	12.35-1.20
MON	I	Chem[NTS]-27 CS[MNQ]-33	Bot[NSW]-27 Phy[ATRO]-32	Zoo[NVH]-27 Maths[SRS]-32	K	M/B[SSS]-27 Maths[LSI]-32	Phy[GRH]-32 Bot[PNN]-37
	II	Bot[PNN]-30 Phy[KVB]-33	Zoo[SRS]-30 Maths[SWB]-33	M/B[SSS]-30 Phy[KNS]-33		Chem[RSB]-30 CS[MNQ]-33	Maths[NSB]-33 Zoo[SRS]-30
	III	Zoo[NVH]-40 Maths[SGS]-34	M/B[SSS]-40 CS[MNQ]-34	Chem[KPT]-40 CS[MNQ]-34		Bot[NSW]-40 Phy[GRH]-34	Chem[ADD]-34 CS[BMQ]-40
TUE	I	Chem[KPT]-27 CS[MNQ]-32	Bot[NSW]-33 Phy[ADD]-32	Zoo[NVH]-37 Maths[SRS]-32	L	M/B[SSS]-27 Maths[LSI]-32	Phy[ATRO]-37 Bot[NSW]-37
	II	Bot[PNN]-30 Phy[KVB]-32	Zoo[SRS]-30 Maths[SWB]-32	M/B[SSS]-30 Phy[KNS]-32		Chem[SHS]-30 CS[MNQ]-32	Maths[NSB]-32 Zoo[NVH]-30
	III	Zoo[NVH]-40 Maths[SGS]-34	M/B[SSS]-40 CS[MNQ]-34	Chem[ADD]-40 CS[MNQ]-34		Bot[NSW]-40 Phy[GRH]-34	Chem[RSB]-40 CS[MNQ]-34
WED	I	Bot[NSW]-27 Phy[GRH]-32	Zoo[SRS]-27 Maths[SGS]-32	M/B[SSS]-27 Phy[KNS]-32	S	Chem[SHS]-27 CS[MNQ]-32	Maths[NSB]-27 Zoo[SRS]-27
	II	Zoo[NVH]-30 Maths[SWB]-32	M/B[SSS]-30 CS[MNQ]-32	Chem[KPT]-30 CS[MNQ]-32		Bot[PNN]-32 Phy[ADD]-32	Chem[ATRO]-30 CS[MNQ]-32
	III	Chem[RSB]-40 CS[MNQ]-34	Bot[NSW]-40 Phy[KVB]-34	Zoo[NVH]-34 Maths[SWB]-34		M/B[SSS]-40 Maths[LSI]-34	Phy[KVB]-34 Bot[NSW]-40
THU	I	Bot[PNN]-27 Phy[GRH]-32	Zoo[NVH]-27 Maths[SWB]-32	M/B[SSS]-27 Phy[KNS]-32	T	Chem[KPT]-27 CS[MNQ]-32	Maths[NSB]-32 Zoo[NVH]-27
	II	Zoo[SRS]-30 Maths[SGS]-33	M/B[SSS]-30 CS[MNQ]-33	Chem[SHS]-30 CS[MNQ]-33		Bot[NSW]-30 Phy[ADD]-33	Chem[RSB]-30 CS[MNQ]-30
	III	Chem[ADD]-40 CS[MNQ]-34	Bot[PNN]-40 Phy[KVB]-34	Zoo[SRS]-40 Maths[SGS]-34		Maths[LSI]-34 Bot[PNN]-40	Chem[RSB]-40 Bot[NSW]-40
FRI	I	Zoo[SRS]-27 Maths[SWB]-32	M/B[SSS]-27 CS[MNQ]-32	Chem[ADD]-27 CS[MNQ]-32	T	Bot[PNN]-27 Phy[KVB]-32	Chem[KPT]-27 CS[MNQ]-32
	II	Chem[RSB]-30 CS[MNQ]-33	Bot[NSW]-30 Phy[GRH]-33	Zoo[NVH]-30 Maths[SGS]-33		M/B[SSS]-30 Maths[LSI]-33	Phy[ADD]-33 Bot[NSW]-30
	III	Bot[PNN]-40 Phy[KNS]-34	Zoo[SRS]-40 Maths[SWB]-34	M/B[SSS]-34 Phy[ADD]-34		Chem[SHS]-40 CS[MNQ]-34	Maths[NSB]-34 Zoo[SRS]-40
SAT	I	Zoo[SRS]-34 Maths[SWB]-32	M/B[SSS]-34 CS[MNQ]-32	Chem[ADD]-34 CS[MNQ]-32	T	Bot[PNN]-27 Phy[KVB]-32	Chem[KPT]-32 CS[MNQ]-32
	II	Chem[SHS]-30 CS[MNQ]-33	Bot[NSW]-30 Phy[GRH]-34	Zoo[NVH]-30 Maths[SGS]-34		M/B[SSS]-30 Maths[LSI]-34	Phy[KVB]-33 Bot[PNN]-30
	III	Bot[PNN]-40 Phy[KNS]-34	Zoo[SRS]-40 Maths[SWB]-34	M/B[SSS]-40 Phy[ADD]-32		Chem[RSB]-40 CS[MNQ]-34	Maths[NSB]-34 Zoo[NVH]-30

Teaching staff

> [NTS]-DR. L.A. LADKE	> [SHS]-DR. R.S. BAJAJE	> [KVB]-KV. BHONGALE
> [ADD]-DR. A.B. DHOTI	> [PNN]-DR. C.N. NASHI	> [KPT]-DR. K. P. JUMBE
> [NVH]-DR. N.S. HARNEY	> [SRS]-DR. S.B. SOTHE	> [SWB]-SONAL W. BHOGAR
> [ADD]-DR. A.D. DAHEGAONKAR	> [KNS]-DR. K.N. SHINDE	> [SGS]-S.G. SHIRDASE
> [NSW]-DR. N.S. WADHAVE	> [MNQ]-DR. M.N. GUADHE	> [SSS]-S.S. SURSUDU
> [GRH]-DR. G. BHEDARE	> [SHS]-S.D. SHIRDASE	> [NSB]-N.S. SARKAR

Time-Table Committee 2021/22


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Nilkantharao Shinde Science & Arts College Bhadrawati Dist: Chandrapur

with effect from: 21/02/2022

Class	8.10-8.25	9.00-9.48	9.50-10.38	10.42-11.25	11.28-11.48	11.50-12.38	12.42-1.28	1.30-2.18	2.20-3.08	3.10-3.58	4.50-5.38
MON	I	MB[SSS]-42	Zoo[SRIS]-42 Math[NSB]-39	Che [RSH]-42 Cs[XXX]-39-(Tu)	Bot[NSW]-42 Phy[GRB]-39-(Tu)	Math[SGS]-39	Eng [R]]	Mar[SM]-39 S[RE]-42	Phy Edu [VNS]	Eng [R]-42	
	II	Che[ABD]-46 Cs[XXX]-38	Bot[NSW]-46 Phy[KVB]-38	Zoo[SRIS]-46 Math[SWB]-38	Zoo[CBZ]-[SHS+XXX]-48 Bot[CMBS]-[XXX]-24 Zoo[CMbz]-[NVH+XXX]-25 Phy[PCMJ]-[ADD+XXX]-23 Cs[PC-MJ]-[MNO: XXX]-22	Che[PCMJ]-[ABD+RSH]-48 Bot[CBZ]-[PNN-XXX+YYY]-24 MB[SSS]-41 Phy [Cs][KVB+KNS]-27	Zoo[NSVH]-54 Math[SGS]-37-(Tu)	Che[KPJ]-44 Cs[MNQ]-37	Phy[GRB]-38 (Tu) Phy[NS]-37-Tu MB[SSS]-54	MB[XXX]-46 Phy[XXX]-38(Tu) SEC	Phy Edu [VNS]
	III	Zoo [SRIS]-42 Math[NSB]-39	Che [SHS]-42 Cs[MNQ]-39	Bot[NSW]-42 Phy[KVB]-39	Zoo[NSVH]-42 Math[SWB]-38	Math[LSL]-39	Phy[GRB]-39 Zoo[CBZ+MB][SRIS+XXX+YYY]-25	Phy[XXX]-39	Phy[XXX]-39	Eng [R]-39-Tu	Mar[SM]-39 S[RE]-42
TUE	I	MB[SSS]-42	Zoo[SRIS]-42 Math[NSB]-39	Che [SHS]-42 Cs[MNQ]-39	Bot[NSW]-42 Phy[KVB]-39	Math[LSL]-39	Phy[GRB]-39 Zoo[CBZ+MB][SRIS+XXX+YYY]-25	Phy[XXX]-39	Eng [R]-39	Mar[SM]-39 S[RE]-42	Eng [R]-39-Tu
	II	Che[ABD]-46 Cs[XXX]-38	Bot[NSW]-46 Phy[KVB]-38	Zoo[SRIS]-46 Math[SWB]-38	Zoo[CBZ]-[ABD+RSH]-48 Bot[CMBS]-[XXX]-24 Zoo[CMbz]-[NVH+XXX]-25 Phy[PCMJ]-[ADD+XXX]-23 Cs[PC-MJ]-[MNO: XXX]-22	Che[PCMJ]-[ABD+RSH]-48 Bot[CBZ]-[PNN-XXX+YYY]-24 MB[XXX]-41 Phy [Cs][KVB+KNS]-27	Zoo[NSVH]-54 Math[SGS]-37	Che [KPJ]-44 Cs[MNQ]-37	Math[SGS]-38 Math[SGS]-37	MB[XXX]-46 Phy[NS]-38-(Tu) SEC	Phy Edu [VNS] Phy Edu [VNS]
	III	Phy[XXX]-37-Tu	Zoo [SRIS]-42 Math[NSB]-39	Che [SHS]-42 Cs[MNQ]-39	Bot[NSW]-42 Phy[KVB]-39	Math[LSL]-39	Phy[GRB]-39 Zoo[CBZ+MB][SRIS+XXX+YYY]-25	Phy[XXX]-39	Phy[XXX]-39	Eng [R]-39-Tu	Mar[SM]-39 S[RE]-42
WED	I	MB[SSS]-42	Zoo[SRIS]-42 Math[NSB]-39	Che [SHS]-42 Cs[MNQ]-39	Bot[NSW]-42 Phy[KVB]-39	Math[LSL]-39	Phy[GRB]-39 Zoo[CBZ+MB][SRIS+XXX+YYY]-25	Phy[XXX]-39	Eng [R]-39	Mar[SM]-39 S[RE]-42	Eng [R]-39-Tu
	II	Che[ABD]-46 Cs[XXX]-38	Bot[NSW]-46 Phy[KVB]-38	Zoo[SRIS]-46 Math[SWB]-38	Zoo[CBZ]-[ABD+RSH]-48 Bot[CMBS]-[XXX]-24 Zoo[CMbz]-[NVH+XXX]-25 Phy[PCMJ]-[ADD+XXX]-23 Cs[PC-MJ]-[MNO: XXX]-22	Che[PCMJ]-[ABD+RSH]-48 Bot[CBZ]-[PNN-XXX+YYY]-24 MB[XXX]-41 Phy [Cs][KVB+KNS]-27	Zoo[NSVH]-54 Math[SGS]-37	Che [KPJ]-44 Cs[MNQ]-37	Math[SGS]-38 Math[SGS]-37	MB[XXX]-46 Phy[NS]-38-(Tu) SEC	Phy Edu [VNS] Phy Edu [VNS]
	III	Phy[XXX]-37-Tu	Zoo [SRIS]-42 Math[NSB]-39	Che [SHS]-42 Cs[MNQ]-39	Bot[NSW]-42 Phy[KVB]-39	Math[LSL]-39	Phy[GRB]-39 Zoo[CBZ+MB][SRIS+XXX+YYY]-25	Phy[XXX]-39	Phy[XXX]-39	Eng [R]-39-Tu	Mar[SM]-39 S[RE]-42

Handwritten Signature

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THU	I	MB[XXX]-42 Cs[XXX]-39	Che[SHS]-42 Cs[MNQ]-15	Bot [PNN]-42 Phy[KVB]-39	Zoo[NSW]-42 Maths[SWB]-39	Bot[CBZ+MB][PNN+XXX]-24 Phy[PCM][GRB+XXX]-23 Cs [MNQ]-27	Maths[NNS]-39(Tu)	Phy[KNS]-39 (Tu)	Mat[SM]-39 SE[RJ]-42
	II	Cs[XXX]-38 (Tu)	Bot[PNN]-46 Phy[GRB]-38	Zoo[SHS]-46 Maths[SGS]-38	Che[RSJ]-46 Cs[MNQ]-38	Che[CBZ+MB][RPH+XXX+YYY+ZZZ]-48 Bot[NSW]-54 Phy[KVB]-37	MB[SSS]-46 Phy[KNS]-38(Tu)	Phy.Edu.[VNS]	
	III					Phy[ADD]-38 Zoo[SHS]-54 Maths[NNS]-37	Phy[XXX]-37(Tu)	MB[SSS]-54 Cs[XXX]-37(Tu)	Phy.Edu.[VNS]
FRI	I	MB[XXX]-42	Bot [NSW]-42 Phy[ADD]-39	Zoo[SHS]-42 Maths[NNS]-39	Che [ABD]-42 Cs[MNQ]-39	Che[ABD+RSH+KPH+XXX]-48 Phy[C3]-[GRB+XXX]-23		MB[SSS]-41	
	II	D.E.&G.G.	Zoo[XXX]-46	MB[SSS]-46	Bot[PNN]-46	Zoo[CBZ+MB][SR3+XXX+YYY+ZZZ]-25 Phy[KVB]-38(Tu)	Phy[XXX]-38 (Tu)	Che[XXX]-46	Phy.Edu.[VNS]
	III					Che[SHS]-54 Cs[XXX]-37(Tu)	Phy[GRB]-37(Tu)	MB[XXX]-54	Phy.Edu.[VNS]
SAT	I	MB[XXX]-42	Bot [NSW]-42 Phy[ADD]-39	Zoo[XXX]-42 Maths[SGS]-39	Che[KPJ]-42 Cs[XXX]-39	Che[ABD+RSH+KPH+XXX]-48 Phy[C3]-[GRB+XXX]-23		MB[XXX]-41	
	II		Zoo[XXX]-46	MB[SSS]-46	Bot[PNN]-46	Bot[MB][NSW]-24 Zoo[CBZ+MB][NVH+XXX+YYY+ZZZ]-25 Maths[SWB]-38	Maths[LSL]-38 Bot[PNN]-54 Phy[KNS]-37	Phy.Edu.[VNS]	
	III					Che[SHS]-54 Cs[MNQ]-37	Maths[LSL]-37	Cs[XXX]-37(Tu)	Phy.Edu.[VNS]

Rohit Kumar
Chairman

Time-Table Committee (2021-22)

Teaching Staff

[PNN]-DR.P.NASRE	[KPB]-DR. K.P. JUMDE
[SR3]-DR. S.R. SITRE	[SGS]-S.G. SHRIRAME
[NSW]-DR. N.V. HARNEY	[SWB]-S.W. BHOGAR
[ADD]-DR. A.D. DAHEGAONKAR	[SSS]-S.S. SURUSHE
[NSW]-DR. N.S. WADHAVE	[PNN]-NAYAN N. SARKAR
[GRB]-DR. G.R. BEDARE	[RJ]-ROSHANI JOHN
[RSJ]-DR. R.S. HAJARE	[SM]-DR. S. MOTTE

J. Ladke

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College Preliminary Examination

Physics


Nilkanthrao Shinde Sci and Arts college Bhadrawati Dist – Chandrapur
Preliminary Examination Summer 2022
B. Sc. Sem II Physics Paper II

Time: 75 Minutes

Max Marks: 50

Solve any 50 questions. One Mark each.

- According to Biot-Savart's law, the magnitude of magnetic induction (dB) due to a small current element of a conductor is directly proportional to –
 - The current (I) through it and the length of current element (dl).
 - the sine of the angle (θ) between the element and the line joining point P.
 - inversely proportional to the square of the distance (r^2) between the element and the point P.
 - All of the above
- Give the SI unit of the magnetic induction from Biot-Savart law.
 - Ampere
 - Tesla
 - Weber
 - Gauss
- A wire placed along the north-south direction carries a current of 8 A from south to north. Find the magnetic field due to a 1 cm piece of wire at a point 200 cm north-east from the piece.
 - 14×10^{-9} T
 - 1004×10^{-9} T
 - 204.4×10^{-9} T
 - 1.4×10^{-9} T
- The magnetic field due to a current element is minimum in a plane passing through the element when it is perpendicular to its axis. State true or false.
 - True
 - False
- Identify the expression for magnetic induction from the following.
 - $B = \mu_0(H+I)$
 - $B = \mu_0(H \times I)$
 - $B = \mu_0(H-I)$
 - $B = \mu_0(HI)$
- Which among the following is true about magnetic susceptibility?
 - It is the ratio of magnetic intensity to intensity of magnetization
 - The SI unit of magnetic susceptibility is Tesla (T)
 - It is the ratio of intensity of magnetization to magnetic intensity
 - It is the ratio of magnetic moment to volume
- Give the SI unit of magnetic permeability of free space.
 - $T A m^{-2}$
 - $T A^{-2} m$
 - $T A^{-1} m$
 - $T A m^2$
- Relative magnetic permeability is unit less.
 - True
 - False
- The relative permeability of a medium is 0.050. What is its magnetic susceptibility?
 - 500
 - 501
 - 49.9
 - 499
- A material has a permeability of 0.1 H/m when the magnetic intensity is 70 A/m. What will be the magnetic induction inside the material?
 - 7 T
 - 0.7 T
 - 70 T
 - 0.07
- Ferromagnetic materials does not show hysteresis.
 - True
 - False
- Find the correct combination regarding relative permeability and magnetic susceptibility of a paramagnetic substance.
 - $\mu_r > 1, \chi < 0$
 - $\mu_r < 1, \chi > 0$
 - $\mu_r < 1, \chi < 0$
 - $\mu_r > 1, \chi > 0$
- Identify the expression for ampere's circuital law from the following?
 - $\oint B \cdot dl = \mu_0 I$
 - $\oint B \cdot dl = \mu_0 I$
 - $\oint B \cdot dl = 2 \mu_0 I$
 - $\oint B \cdot dl = 4 \mu_0 I$
- Which law can ampere's circuital be derived from?
 - Gauss Law
 - Newton's Law
 - Kirchhoff's Law
 - Biot-Savart Law
- State the rule that is used to find the direction of field acting at a point near a current-carrying straight conductor.
 - Cork rule
 - The right-hand thumb rule
 - Swimming rule
 - Flemings rule


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16. Which among the following is true about Faraday's law of Induction?
 a) An emf is induced in a conductor when it cuts the magnetic flux
 b) An emf is induced in a conductor when it moves parallel to the magnetic field
 c) An emf is induced in a conductor when it moves perpendicular to the magnetic field
 d) An emf is induced in a conductor when it is just entering a magnetic field
17. What is proportional to the magnitude of the induced emf in the circuit?
 a) Rate of change of current in the circuit
 b) Rate of change of resistance offered
 c) Rate of change of magnetic flux
 d) Rate of change of voltage
18. Efficiency of ideal transformer is
 a) 100% b) 80% c) 60% d) 50%
19. The induced emf persists only as long as the change in magnetic flux continues.
 a) True b) False
20. Pick out the SI unit of magnetic flux.
 a) Ampere b) Tesla meter c) Weber d) Maxwell
21. The total number of magnetic lines of force crossing the surface placed in a magnetic field normally is called the magnetic induction.
 a) True b) False
22. Calculate the magnetic flux when the magnetic field is perpendicular to the surface area.
 a) Minimum b) Maximum c) Zero d) Depends on the surface area
23. Which law is used in finding the direction of current in an a.c. generator?
 a) Maxwell's law b) Lenz's law c) Corkscrew law d) Ampere circuital law
24. Which of the following is found using Lenz's law?
 a) Induced emf b) Induced current
 c) The direction of induced emf d) The direction of alternating current
25. 'X' states that the direction of induced current in a circuit is such that it opposes the cause or the change which produces it. Identify X.
 a) Faraday's law b) Lenz's law c) Maxwell's law d) Ampere's law
26. Which among the following is true about transformers?
 a) Transformers are used to convert low alternating voltage to a high alternating voltage
 b) Transformers are used to convert low alternating current to a high alternating current
 c) Transformers are based on the phenomena of mutual electric field
 d) Transformers are used only for low alternating voltage
27. Pick out the correct combination for a step-up transformer.
 a) $k < 1; V_s > V_p, I_s > I_p, N_s > N_p$
 b) $k > 1; V_s > V_p, I_s < I_p, N_s > N_p$
 c) $k > 1; V_s > V_p, I_s > I_p, N_s > N_p$
 d) $k < 1; V_s < V_p, I_s > I_p, N_s > N_p$
28. The efficiency of a transformer is the ratio of output power to input power.
 a) True b) False
29. Which of the following is usually taken to make the core of a transformer?
 a) Aluminium b) Copper c) Soft iron d) Hard iron
30. A transformer has an efficiency of 60% and works at 5kW. If the secondary voltage is 150 V, then what is the secondary current?
 a) 10 A b) 20 A c) 30 A d) 40 A
31. Which one of the following current flows in the gap between the capacitor plates?
 a) Displacement current b) Conduction current
 c) Resistive current d) Total current
32. Find the true statement.
 a) Displacement current and conduction current are never equal

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- b) The current that flows through connection wires is called conduction current
 c) During charging of the capacitor, in the connection wires, conduction current is discontinuous and displacement current is continuous
 d) During charging of the capacitor, in the gap between the capacitor plates, conduction current is continuous and displacement current is discontinuous
33. Maxwell modified Ampere's Circuital Law.
 a) True b) False
34. Which of the following is the expression for Lorentz force?
 a) qE b) $q(v \times B)$ c) $ma + qE$ d) $qE + q(v \times B)$
35. The velocity of a charged particle to keep moving in the same direction, in a region where electric and magnetic fields are perpendicular to each other, is _____
 a) E/B b) B/E c) $E/B + qE/B$ d) $B/E + qB/E$
36. The entire theory of electromagnetic waves is contained in Maxwell's equations.
 a) True b) False
37. Magnetic field can be produced by _____
 a) Conduction current b) Displacement current
 c) Both conduction and displacement current d) It is produced naturally
38. In vacuum or free space, what observations are made?
 a) $\nabla \cdot \mathbf{E} = \rho_0, \mathbf{J} = 0$ b) $\nabla \cdot \mathbf{E} = 0, \mathbf{J} = \mathbf{J}_0$ c) $\nabla \cdot \mathbf{E} = 0, \mathbf{J} = 0$ d) $\nabla \cdot \mathbf{E} = \rho_0, \mathbf{J} = \mathbf{J}_0$
39. In an electromagnetic wave, the electric field of amplitude 6.2 V/m oscillates with a frequency of 2.4×10^{10} Hz. The Energy density of the wave is _____
 a) $1.4 \times 10^{-10} \text{ J/m}^3$ b) $2.4 \times 10^{-10} \text{ J/m}^3$ c) $3.4 \times 10^{-10} \text{ J/m}^3$ d) $4.4 \times 10^{-10} \text{ J/m}^3$
40. Which of the following is the expression for the continuity equation?
 a) $\nabla \cdot \mathbf{J} = 0$ b) $\text{div}(\mathbf{J}) + \frac{d\rho}{dt} = 0$ c) $\text{div}(\mathbf{J}) + \rho = 0$ d) $\text{div}(\mathbf{J}) = 0$
41. If the velocity of a charged particle in perpendicular electric and magnetic field is $7.27 \times 10^6 \text{ m/s}$ and the Electric field is $6 \times 10^6 \text{ N/C}$, what should be the value of magnetic field for velocity vector?
 a) 0.45 T b) 0.78 T c) 0.83 T d) 0.94 T
42. Which of the following laws do not form a Maxwell equation?
 a) Planck's law b) Gauss's Law c) Faraday's law d) Ampere's Law
43. The rate of change of electric displacement vector in dielectric medium is called as
 a) Displacement current b) Conduction current c) Resistive current d) Total current
44. The total electric displacement through the surface enclosing a volume is equal to the total charge within the volume, this is given by
 a) Maxwell's first equation b) Maxwell's second equation
 c) Maxwell's third equation d) Maxwell's fourth equation
45. The net magnetic flux emerging through a closed surface is zero, this is given by
 a) Maxwell's first equation b) Maxwell's second equation
 c) Maxwell's third equation d) Maxwell's fourth equation
46. Which among the following is true?
 a) According to Kirchhoff's law, the current flowing towards a junction is equal to the voltage drop
 b) According to Kirchhoff's law, the current flowing towards a junction is equal to the resistance across the junction
 c) According to Kirchhoff's law, the current flowing towards a junction is equal to the current leaving the junction
 d) According to Kirchhoff's law, the current flowing towards a junction is equal to all the currents in the circuit
47. The equation $\sum E = \sum IR$ is applicable to which law?


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- a) Kirchhoff's second law b) Kirchhoff's junction rule
 c) Kirchhoff's third law d) Newton's Law

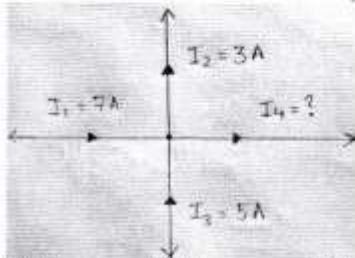
48. Identify the correct statement from the following.

- a) While traversing in a closed loop, if negative pole of cell is encountered first, then the emf is negative
 b) The product of resistance and current in an arm is taken to be positive if the direction of current is opposite to the direction in which one moves along the closed loop
 c) Current flowing away from a junction is taken as positive
 d) While traversing in a closed loop, if positive pole of cell is encountered first, then the emf is positive

49. Kirchhoff's first law supports law of conservation of charge.

- a) True b) False

50. Calculate the value of current I_4 .



- a) -9A b) 9A c) 5A d) 1A

51. Kirchhoff's laws are applicable in the presence of magnetic field.

- a) True b) False

52. Which among the following can be used to analyze circuits?

- a) Kirchhoff's Law b) Newton's Law c) Coulomb's Law d) Stephan's Law

53. Find the false statement.

- a) Sum of voltage over any closed loop is zero
 b) Kirchhoff's Laws can be applied to any circuit, regardless of its structure and composition
 c) Kirchhoff's 2nd law is applied at nodes
 d) Kirchhoff's 1st law can be applied for both planar and non-planar circuits

54. Wheatstone's network is used to determine

- a) Unknown resistance b) Unknown capacitance c) Unknown charge d) Unknown voltage

55. In designing Wheatstone's network is used

- a) Kirchhoff's Law b) Newton's Law c) Coulomb's Law d) Stephan's Law

56. Carey - Foster's bridge works on the principle of Wheatstone's network

- a) Wheatstone's network b) Newton's Law c) Coulomb's Law d) Stephan's Law

57. The fraction L/R is called as

- a) inductive time constant b) capacitance time constant c) Inductance d) capacitance

58. The fraction CR is called as


- a) inductive time constant b) capacitance time constant c) Inductance d) capacitance

59. The capacitive reactance is denoted by

- a) X_c b) X_L c) X d) Y

60. The inductive reactance is denoted by

- a) X_c b) X_L c) X d) Y


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College Preliminary Examination

Marathi

निष्कंदराव शिरोडकरांचा व कला महाविद्यालय (अ. अ. अ. अ.) म. ६. २०२२

सराव परिक्षा
श्रेणी IV

वेळ-७५म

सुण-५०

टिप:- कोणतेही प्रश्न सोडवा.

१) 'सत्याची जात' या काव्यसंग्रहाचे कवी कोण आहेत?

- अ) शंकरराव खरात ब) शरद्वंदू (मुक्तिबोध) क) इंदिरा संत
ड) शिवाजी खांबेत.

२) सृष्टी, साहित्य व सौंदर्यमूल्य या गुंतास कोणता पुरस्कार प्राप्त झाला आहे?

अ) साहित्य अकादमी ब) ज्ञानपीठ क) महाशयू बासन
ड) केशवसुत

३) 'दक्षिण वाङ्मय' रक विंगार' हा पाठ कोणत्या पुस्तकातून घेतला आहे?

- अ) नवी महाराट ब) धार्मिक क) जीवन (आणि साहित्य) ड)
उ) जन हे वोष्ठु जेणे

४) ग्रामीण विभागात असृष्ट्यावर होणारे अत्याचार सुरक्षित कराराची निगडीत आहे.


अ) भूमी प्रनारि ब) मजुरीरि क) अमारि ड) थरंरि

५) स्वतंत्र भारताच्या नव्या परिस्थितीत यादखेच्या किली पीड्या पुढे उगळेच्या आहेत.

- अ) दोन ब) तीन क) चार ड) एक

६) संगीत या पाठ्याचे लेखकाने पूर्वी नाव काय आहे?

- अ) शंकर रामा खरात ब) शंकर लक्ष्मण खरात
क) शंकर रामा जाधव ड) शंकर माधव खरात


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College Preliminary Examination

Chemistry

2022

NILKANTHRAO SHINDE SCIENCE & ARTS COLLEGE, BHADRAWATI

COLLEGE PRELIMINARY EXAMINATION SUMMER – 2022

B.Sc. I Semester - II

Sub : Chemistry Paper-II (Physical Chemistry)

Time : 75 mins

Max. Marks : 50

Attempt any 50

- The graph of linear equation is always in the form of
a) Straight line b) circle c) sphere d) curve
- The value of $\log(xy)$ is
a) 0 b) $\log x + \log y$ c) 1 d) 2
- The value of $\log 1$ is
a) 1 b) 2 c) 0 d) 3
- The slope of the line is not defined if the line B
a) Parallel to x axis b) Parallel to y axis c) Parallel to the line $x+y=0$ d) Parallel to the line $x-by=0$
- The slope m for equation $3y = 2x + 6$ is
a) $3/2$ b) $4/3$ c) $2/3$ d) 6
- The equation $y-y_1 = m(x-x_1)$, for different values of m and $((x_1, y_1)$ fixed, represents
a) A family of concurrent lines b) A family of parallel lines c) A straight line
d) A family of current lines.
- Two straight lines whose gradients are m_1 and m_2 respectively are parallel if,
a) $m_1=0$ b) $m_1m_2=-1$ c) $m_1=m_2$ d) $m_2=0$
- The maximum value of $(\log x)/x$ is
a) 1 b) $1/e$ c) e d) $2/e$
- The SI unit of temperature is
a) Celsius b) Fahrenheit c) Newton d) Kelvin
- The ionic product of water is
a) 1×10^{-14} b) 1×10^{-7} c) 1×10^{-5} d) 1
- The pH of acidic solution is 3.72 Calculate the hydrogen ion concentration of solution.
a) 1.905 b) 7.325×10^{-3} c) 4.258 d) 1.905×10^{-4}
- In second quadrant, abscissa is — while ordinate is —
a) negative, positive b) positive, negative c) positive, zero d) zero, negative

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College Preliminary Examination

Botany

Nilkanthrao Shinde Science & Arts College, Bhadrawati
Preliminary Examination Summer 2022

B.Sc. Sem - IV Botany
Paper II: PART ECOLOGY

Date: 02-06-2022
Max Marks: 60

Time : 8.00 am to 9.15 am

Notes

- Solve 50 Questions out of 60 questions
- Choose correct answer from the given four options
- (1967) has defined ecology as the study of interactions of form.

- 1) Friction and friction.
 - a) Kato
 - b) Miles
 - c) Millers
 - d) limit Haeckel
- 2) _____ is defined as the study of the relations of individual species to its environment.
 - a) Synecology
 - b) Population ecology
 - c) Autecology
 - d) Community ecology
- 3) The lowest layer of atmosphere in which man and other living organisms live is called as _____.
 - a) Stratosphere
 - b) Thermosphere
 - c) Exosphere
 - d) Troposphere
- 4) Mesosphere is about _____ in height above the earth surface.
 - a) 90 km
 - b) 110 km
 - c) 115 km
 - d) 120 km
- 5) The _____ at the earth's surface is governed by the brightness of the sun.
 - a) Light
 - b) Atmosphere
 - c) Temperature
 - d) none of the above
- 6) _____ is a stratified mixture of inorganic and organic materials, both of which are decomposition products.
 - a) Land
 - b) Soil
 - c) Both a and b
 - d) None of the above
- 7) Weathering of rocks leads to formation of soil is called as _____.
 - a) Frost action
 - b) glacier formation
 - c) Pedogenesis
 - d) some of these
- 8) The _____ is the term used for the vertical section of mature soil generally upto the depth of 2 meters.
 - a) Soil profile
 - b) land profile
 - c) both a and b
 - d) none of these
- 9) The characteristic of soil that determines the movement of water through pore spaces is known as _____.
 - a) Soil availability
 - b) Soil profile
 - c) both a and b
 - d) none of the above
- 10) Plants cannot absorb the hygroscopic _____.
 - a) Water
 - b) Soil
 - c) Both a and b
 - d) none of the above

- 36) The term ecotype was proposed by _____.
 - a) Tursson
 - b) Raunkiaer's
 - c) both a and b
 - d) none of the above
- 37) Mishra and Shiva Rao (1948) found *Lindenbergia polyantia* and *Lindenbergia arisaeifolia* to be the ecotypes of _____.
 - a) different
 - b) same
 - c) none of the above
 - d) some of the above
- 38) _____ is called as _____.
 - a) both a and b
 - b) psammophyte
 - c) none of the above
 - d) both a and b
- 39) _____ are animals which accumulate the gases than used in one when plant survive in unfavorable periods of wood and the typical of droms and grasslands.
 - a) Thymophyte
 - b) Halophyte
 - c) Psammophytes
 - d) Psammophytes
- 40) _____ is a scientific study of seasonal change i.e. the periodic phenomenon of organisms in relation to their climate.
 - a) Physiognomy
 - b) Sociability
 - c) Phenology
 - d) none of the above
- 41) _____ is the capacity of normal growth and reproduction which are important for successful survival of the species.
 - a) Hybrid vigour
 - b) Vitality
 - c) Vigour
 - d) none of the above
- 42) _____ generally use Christen Raunkiaer's (1934) of plant life forms.
 - a) Pharmacologist
 - b) Ecologist
 - c) Algologists
 - d) zone of the above
- 43) _____ expresses the degree of association between species.
 - a) Sociability
 - b) Social reforms
 - c) Social attitude
 - d) none of the above
- 44) _____ commonly occur in high altitudes and latitudes.
 - a) Phanerophytes
 - b) Hemimycophytes
 - c) Chamaephytes
 - d) none of the above
- 45) The buds are completely hidden in the soil as bulbs and rhizomes called as _____.
 - a) Therophytes
 - b) Phanerophytes
 - c) Hemimycophytes
 - d) Geophytes
- 46) According to _____, succession is a natural process by which the same locality becomes successively colonized by different grasses or communities.
 - a) E. P. Odum
 - b) E. Lucy Brain
 - c) Clements
 - d) none of the above
- 47) The gradual and predictable change in the species composition of a given area is called as _____.
 - a) ecological succession
 - b) ecological gradation
 - c) both a and b
 - d) none of the above
- 48) Primary succession is a very _____ process.
 - a) slow
 - b) fast
 - c) median
 - d) none of the above

Slack

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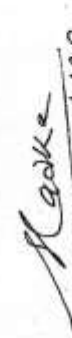
NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE BHADRAWATI
COLLEGE PRELIMINARY EXAMINATION SUMMER -2022

TIME TABLE - ARTS FACULTY

Date	Time	Sem - II	Sem - IV	Sem - VI
01/06/2022	9.30-10.45 A. M.	Marathi ✓	History ✓	Geography ✓
02/06/2022	9.30-10.45 A. M.	English ✓	Geography ✓	Sociology ✓
03/06/2022	9.30-10.45 A. M.	Geography ✓	Sociology ✓	History ✓
04/06/2022	9.30-10.45 A. M.	History ✓	Marathi ✓	English ✓
06/06/2022	9.30-10.45 A. M.	Sociology ✓	English ✓	Marathi ✓


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 Nilkanthrao Shinde Science and Arts College,
 Bhadrawati


Dr. Shashikant R. Sitre
 Joint Chief Supervisor
 College Preliminary Examination
 Nilkanthrao Shinde Science and Arts College,
 Bhadrawati


PRINCIPAL 27/5/22
Dr. L. S. Ladke
 PRINCIPAL
 N.S. Science & Arts College
 Bhadrawati, Dist. Chandrapur



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

Unit Test - Botany

N.S. Sci. and Arts college
Bhadrawati Dist- Chandrapur
Sub - Botany Paper I
class - B.Sc sem II
Unit test - 3
Unit - III

Total marks - 15

-
- Q1 What is growth? describe the phases of Sigmoid curve - 5 marks
- Q2 What is auxin? describe the role of auxin - 5 marks
- Q3 Write note on ethylene


Dr. N.S. Ladkare
Asst Prof in Botany


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

class:- B.Sc. II year.

Page No.

college name:- Nilkanthrao Shinde Science and Arts College Bhadrawati

sub:- Botany - I

* Question Paper *

① What is anther? Describe the T.S. of anther. — 5 mark

② Describe the structure of T.S. of anther. ovule.

③ Describe the development of male gametophyte.

Ladke

DR N.S. Ladke
Asst. Prof in
Botany

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

Unit Test - Chemistry

Nilkanthrao Shinde Science & Arts College, Bhadrawati

Chemistry Organic Paper I

B. Sc. I Sem II

Time : One Hours

Maximum Marks 20

DATE: 17/01/2022

-
- A Explain hydrolysis of methyl bromide with energy profile diagram. 5
- B Explain 1) Gatterman reaction 2) Sandmeyer reaction. 5
- OR
- C Explain mechanism of E1 reaction. 2 1/2
- D Discuss substitution reaction with example. 2 1/2
- E Explain benzye mechanism. 2 1/2
- F Discuss reactivity of C-halogen bond in vinyl halides. 2 1/2

Alhale
C. Dr. A. B. Dhote

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

N.S. college, Bhadrawati

Unit Test (Physical Chemistry Paper II)

B.Sc. II Sem-III

Dt. 08/10/2021

Total Marks 20

1. Define following terms with examples. 4
 - a) Osmotic Pressure
 - b) Molarity of solution
 - c) Van't Hoff factor
 - d) Half life period
2. State and explain Raoult's law. 3
3. Derive the relation between molecular wt. of solute and elevation of boiling point. 3
4. Explain Collision theory of bimolecular reaction. 3
5. How the osmotic pressure measured by Berkeley and Hartley method? 3
6. Explain Integration method and Ostwald's Dilution method for determination of order of reaction. 4



(Dr. K. P. Junde)



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

Unit Test - Physics

N.S. Science & Arts College, Hadrawati Dist. Chandrapur
Department of Physics

Class - B.Sc. Sem - II

Subject - Physics Part - I

Vector Analysis and Electrostatics

UNIT - II

- Q-1) State and explain Coulomb's law in vacuum.
Q-2) Obtain an expression for the electric field due to a small electric dipole at a point i) on the axial line ii) on the equatorial line

UNIT - III

Q-3) State Gauss's theorem in electrostatics. Write its integral form

Q-4) Prove that the electric potential at a point due to a point charge is

$$V = \frac{1}{4\pi\epsilon_0} \cdot \frac{q}{r}$$

UNIT - IV

Q-5) What is a capacitor? Derive an expression for the capacitance of a parallel plate capacitor when it is completely filled with dielectric.

Q-6) Explain state electric vectors -
i) Polarisation Vector
ii) Electric Displacement Vector
iii) Electric field Intensity

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Hadrawati, Dist-Chandrapur

Dahegaukar
Dr. A. D. Dahegaukar

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. VI Sem** Paper No & Name: **(Elective II): Data Communication with Cloud**
Time : **50 min.** Date : **09/04/2022** Marks : **15**

Note: i) Solve any THREE questions
ii) Draw neat and labeled diagram wherever necessary and assume suitable data if necessary.

- | | | |
|------|----------------------------------|----|
| Q.1 | Explain analog data transmission | 05 |
| Q. 2 | Explain twisted pair cable | 05 |
| Q. 3 | Explain Optical fiber | 05 |
| Q. 4 | Explain Microwave Communication | 05 |
| Q. 5 | Explain error control | 05 |
| Q. 6 | Explain multiplexing in detail | 05 |

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Bhadrawati, Dist-Chandrapur

Nilkanthrao Shinde Science And Arts College, Bhadrawati

Department of Computer Science

Class: **B.Sc. VI Sem.** Unit Test-I Max. Marks: **15** Date: **09/04/2022**

Paper No. & Name: **II Data Communication with Cloud**

Sr. No.	Name	Marks
1	ASKAR ANIKET S.	10
2	BAWANE PAYAL S.	11
3	BOBADE PRANJAL M.	14
4	BODHALE BHUSHAN L.	13
5	CHIKTE KARAN V.	06
6	DAMBHARE VAISHNAVI M.	08
7	DEOGADE SEJAL S.	09
8	DEOGADE SHRUTI A.	12
9	DEVHARE MANGESH V.	11
10	DHAGE VAISHNAVI P.	14
11	DONGE GAYATRI B.	07
12	DOYE AACHAL D.	09
13	DURGE ANAND D.	05
14	FARKADE HEMANT M.	06
15	GEDAM PRAJAKTA M.	09
16	GODE BHAGYSHRI W.	10
17	INGALE RITU D.	09
18	KAKADE AMISHA S.	07
19	KAKDE SUJITA P.	11
20	KAMBLE NANDAK R.	12
21	KHANDALE MADHURI P.	09
22	KOKUDE SUSHAMA P.	11
23	KURAI NIKITA V.	10
24	MANTHANWAR NEHA S.	06
25	MORE SANTOSH R.	08
26	NAGRALE DHANSHREE K.	09
27	NANDURKAR SEJAL R.	10
28	NARAYANE AMOL R.	03
29	NIMSATKAR MAHESH P.	07
30	PARCHAKE PRATIKSHA D.	11
31	PATIL AMAN S.	12
32	PATIL CHIRAG M.	11
33	PATIL PRACHI V.	09
34	PETKAR SEJAL S.	11
35	PRASAD VISHAL D.	13
36	RAMTEKE SHRUTI M.	14
37	SHARMA RITUL S.	09
38	SUKHADEVE SNEHAL S.	10
39	TAMAR YASHI O.	11
40	THAKARE BHAWANA W.	13
41	TONGE MRUNALI M.	14
42	WAGHMARE POONAM R.	16
43	WARBHE KAJAL A.	15

Dr. M N Quadri
Assistant Professor
Dept. of Computer Science
N. S. Sci. & Arts College, Bhadrawati



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

Unit Test – English

BA-I year / Sem-I M.M-20
English class Test.

Q1 (A) Answer the following questions in 75 words.
(Any two) 5

- 1) Why did Bishamber come to search of his sister?
- 2) At what venues would Shaw lecture?
- 3) How is mercy 'twice bless'd'?

(B) Answer any one questions in about 150 words. 5

- 1) Kalam was a gifted teacher. What does this text tell us about his method of teaching?
- 2) How does this poem achieve meaning in the context of the Indian freedom struggle?

Q2 (A) Fill in the blanks with article. 5

- 1) Have you had _____ breakfast?
- 2) _____ peacock is in danger of extinction.
- 3) Dr. Abdul Kalam was _____ honest man.
- 4) The table is made of _____ wood.
- 5) The cracked for _____ milk.

John

Alumni Association

४. "निळकंठराव शिंदे सायन्स अँड आर्ट कॉलेज अँल्युमिनी 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	हुद्दा	वय	शिक्षण	व्यवसाय	राष्ट्रीयत्व
१.	डॉ. लंमराज सदाशिव लडके रा. त्रिवेनी नगर वाड नं. १, लोणवाही, ता.सिंदेवाही, जि.चंद्रपूर	अध्यक्ष	५८	एम.एस.सी., पी.एच.डी., एम.फॉल.	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.फॉल.	नौकरी	भारतीय
३.	डॉ. विशाल निळकंठराव शिंदे रा. बाजार वाड, विठ्ठल मंदिर जवळ, भद्रावती, ता.भद्रावती, जि.चंद्रपूर	सहसचिव	३७	एम.ए., एम.पि.एड., पि.एच.डी.	नौकरी	भारतीय
४.	डॉ. गजेन्द्र रामदास बंदरे रा. साने गुरुजी कॉलनी, रेल्वे स्टेशन रोड जवळ, भद्रावती, ता.भद्रावती, जि.चंद्रपूर	काषाध्यक्ष	४५	एम.एस.सी., पि.एच.डी., एम.फॉल.	नौकरी	भारतीय
५.	श्री. नितिन विठ्ठल आसुटकर रा. त्रिवेकानंद स्कूल, किल्ला वाड, कुणबी सोबायटी, भद्रावती, ता.भद्रावती, जि.चंद्रपूर	सदस्य	३६	बि.एस.सी.	व्यवसाय	भारतीय
६.	अब्दुल अजीज इस्माईल शेख रा. आंबेडकर वाड, प्रगती मार्केट जवळ, भद्रावती, ता.भद्रावती, जि.चंद्रपूर	सदस्य	४०	बि.ए.	नौकरी	भारतीय
७.	श्री. विशाल रामचंद्र गोरकार रा. झाडे प्लॉट, घुटकाळा वाड नं.१०, भद्रावती, ता.भद्रावती, जि.चंद्रपूर	सदस्य	४५	एम.ए. समाजशास्त्र	नौकरी	भारतीय
८.	श्री. प्रवीण पांडुरंग कांबळे रा. आंबेडकर नगर, गुरुनगर चिचोडी, भद्रावती, ता.भद्रावती, जि.चंद्रपूर	सदस्य	४२	बि.एस.सी.	व्यवसाय	भारतीय
९.	श्री. विजय नानाजी निवलकर रा. झाडे प्लॉट, घुटकाळा वाड, भद्रावती, ता.भद्रावती, जि.चंद्रपूर	सदस्य	४२	बि.एस.सी.	नौकरी	भारतीय
१०.	श्री. श्रीकांत सुभाष दाते रा. झींगुजी वाड, भद्रावती, ता.भद्रावती, जि.चंद्रपूर	सदस्य	३९	बि.एस.सी.	नौकरी	भारतीय
११.	श्री. मोहन पुंडलिक बेलेकर रा. पांडव वाड, 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. कुलदोष विठ्ठल भांगळे मु.काटवल(भ.), पो.आष्टा, ता.चिमुर, जि.चंद्रपूर	सदस्य	३०	एम.एस.सी.	नौकरी	भारतीय

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



BHADRAWATI SHIKSHAN SANSTHA, BHADRAWATI'S

**NILKANTHRAO SHINDE SCIENCE & ARTS COLLEGE,
BHADRAWATI, DIST. CHANDRAPUR(MS)**

ALUMNI MEET - 2021-22

On 31st August 2021 (Tuesday)

TIME - 11.00 AM TO 12.00 NOON

Dr. Lemraj S. Ladke

Principal, Nilkanthrao Shinde Science and Arts College, Bhadrawati

Dr. Narendra V. Harney

Co-ordinator of Alumni Association

Webinar Platform : ZOOM

<https://us02web.zoom.us/j/89396734781?pwd=RnMxeDlVd3NlbnMwZaWjttWWlhbm1mQl09>

Meeting ID: 893 9673 4781



Passcode: 629906

ZOOM




























Dr. L.S. Ladke
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**NILKANTHRAO SHINDE SCIENCE & ARTS COLLEGE,
BHADRAWATI, DIST. CHANDRAPUR(MS)
ALUMNI MEET - 31st August 2021 (Tuesday)**



- 
 NARENDRA HARNEY (me)
 

- 
 Vaibhav Pimpal... (Host)
 

- 
 Lemraj Sadashio Ladke
 

- 
 Abha Tated
 

- 
 Ashwini Tajne
 

- 
 Ashwini watkar
 

- 
 Dhanshree Ghugul
 

- 
 Harshu Zade
 

- 
 jayshree ballewar
 



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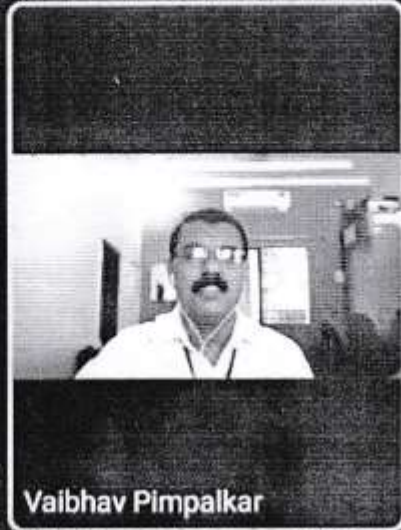


Dr. L.S. Ladke
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 Bhadravati, Dist. Ch. Bad.

• REC

N

NARENDRA HARNEY



Vaibhav Pimpalkar



Lemraj Sadashio Ladke



Dhanshree Ghugul

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

निकळंदाव शिंदे विज्ञान व कला महाविद्यालय, भद्रावती.

माजी विद्यार्थी मेळावा

दि. 31/08/2021

पध्दत - आभासी.

- निकळंदाव शिंदे विज्ञान व कला महाविद्यालयात निर्गोक 31/08/2021 रोजी अंतुमंजि अक्षोसिखरण लक्षे माजी विद्यार्थी मेळावा आयोजित करण्यात आला होता.
- स्पर मेळावा कराना काढत होत असल्यामुळे तो आभासी पध्दतीने घेण्यात आला.
- या कार्यक्रमाचे अध्यक्ष महाविद्यालयाचे प्रचार्य डॉ. लक्ष्मण लक्ष्मण, प्रमुख पाहुणे प्रा. डॉ. नरेंद्र हरेण प्रा. डॉ. गजेन्द्र वेदरे, प्रा. संदिप प्रधाण व प्रा. कुळदिप भोगळे यांच्या उपस्थितीत संपन्न झाला.
- या कार्यक्रमाचे प्रास्ताविक प्रा. डॉ. गजेन्द्र वेदरे यांनी केले ज्यात त्यांनी माजी विद्यार्थी मेळावा घेण्याच्या मागचा हेतू स्पष्ट केला.
- तसेच या प्रसंगी काली माजी विद्यार्थीनी आपले मनोपल व्यक्त केले.
- या कार्यक्रमाचे अध्यक्ष प्रचार्य डॉ. लक्ष्मण लक्ष्मण यांनी माजी विद्यार्थी हा सुहृदा महाविद्यालयासाठी निकळंदाव मेळावा असला तसेच माजी विद्यार्थीनी भविष्यात विविध क्षेत्रात व मेळ्या फावर नियुक्त व्हावे हासा आशावाद व्यक्त केला.
- या कार्यक्रमाचे संयोजक प्रा. डॉ. नरेंद्र हरेण तर आभार प्रदर्शन प्रा. कुळदिप भोगळे यांनी केले.
- या आभासी माजी विद्यार्थी मेळावासाठी मेळावा प्रमोनात माजी विद्यार्थी व महाविद्यालयतील स्पर्ष शिक्षक व शिक्षकेतर कर्मचारी उपस्थित होते.

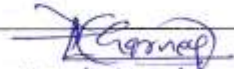
दि. 01/09/2021

भद्रावती



Dr. L.S. Ladke
PRINCIPAL

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


(Dr. N.V. Karmay)
Co-ordinator
Alumni Association.

Parent - Teacher Meeting

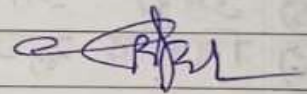
Parent - Teacher Association Meeting

Session 2021-22

Date 25/03/2022

दि. 25/03/2022 ला
पालक - शिक्षक बैठकीचे
आयोजन करण्यात आले होते.
या बैठकीमध्ये पालकांनी आपल्या
पाल्याच्या शैक्षणिक प्रगतीसंबंधी
जायांसाठी व प्राध्यापक
वर्गासोबत चर्चा केली. व
विद्यार्थ्यांकरिता महाविद्यालय
उपलब्ध असलेल्या सोयीसुविधा
व त्यांची शैक्षणिक प्रगतीसंबंधी
समाधान व्यक्त केले. या बैठकीला
खालील पालक उपस्थित होते.

दि. 25/3/2022



(डॉ. राजेश खेर)

Chairman

Parents - Teacher

Association

N.S. Sci. & Arts
College, Bhadrawati

DATE 25/03/2020

<u>Name</u>	<u>Signature</u>
1) Pravin Pandurang Lamble	
2) एनिकेश्वरी पटेल	एनिकेश्वरी पटेल
3) Sandeep Keshav N. Shram	
4) शिवाजी गोविंद कोरडे	शिवाजी
5) Shamlesh Parnikar	Parnikar
6) योगेश्वर हॉबल सोनेवाने	
7) Dinkar B. Parkar	Dinkar B. Parkar
8) स्वप्नरुद्र T. Tated	स्वप्नरुद्र
9) राजू लुकाराग गोविंदकर	राजू
10) अशोक गोमरे	अशोक गोमरे
11) Anju B. Prasad	Anju
12) अश्विनी अभय देवगड	अश्विनी
13) सुशिला सुनिलबाम्हा	सुशिला
14) मंजु पासवान	मंजु
15) उमेश साहू	उ
16) विनोद रुयारकर	विनोद
17) Anand Wamchete	Anand Wamchete
18) Satish Lanjewar	Satish
19) Sushkar B. Kale	Sushkar B. Kale
20) Harshal Khemankar	Harshal
21) Vishal Gaurkar	Vishal
22) विना ठगवे	विना ठगवे
23) Jayesh G. Baghe	Jayesh G. Baghe
24) Rajiv Kumar Puri	Rajiv

Daily Diary - Chemistry

Daily Record

Day - Tuesday Date : 31/10/22

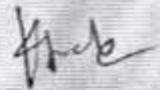
Time of Presence in the College (Academic Work) : _____
 (Extension Work) : _____


Teaching Work


Class	B Sc III	B Sc I
Period Time	9:00 - 9:48	11:50 - 12:38
Topic Taught	Hydrogen Gas electrode	Chlorination Reaction mechanism
Present Students		


Details Library/Laboratory/Research/Extension/Other

Time	Nature of work
	Books Reading


 Signature of _____ Head of the Department


 Principal


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


 (Dr. K.P. Junde)

Chemistry

Daily Record

Day: Thursday Date: 14.10.21
Time of Presence in the College (Academic Work):
(Extension Work):

Teaching Work

Class	III	I	
Period Time	9-10	11-50	
Topic Taught	Coupling Constant Chemical Shifts	Configurations Geometrical	
Present Students			

Details Library/Laboratory/Research/Extension/Other work

Time	Nature of work
	NAAE work


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


Signature of
Teacher

Head of the
Department


Principal

2/2/20

Daily Record
 Date: 15/2/20
 Class: B.Sc. Sem-II
 Type of Professor in the College: (Academic Work) / (Extension Work)

Teaching Work

Class	B.Sc. Sem-II	B.Sc. Sem-II	B.Sc. Sem-II
Period	9-15	10-20	11-15
Topic	Biological Classification	Plant Kingdom	Animal Kingdom
Remarks	33	44	37

Details Library/Laboratory/Research/Extension/Other work

None

Signature of Teacher: [Signature]

Signature of Head of the Department: [Signature]

Principal: [Signature]

Daily Record
 Date: 16/2/20
 Class: B.Sc. Sem-II
 Type of Professor in the College: (Academic Work) / (Extension Work)

Teaching Work

Class	B.Sc. Sem-II	B.Sc. Sem-II	B.Sc. Sem-II
Period	9-15	10-20	11-15
Topic	Biological Classification	Plant Kingdom	Animal Kingdom
Remarks	37	33	44

Details Library/Laboratory/Research/Extension/Other work

None

Signature of Teacher: [Signature]

Signature of Head of the Department: [Signature]

Principal: [Signature]

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

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Daily Record

Signature: [Signature] Date: - 2/01/22
 Name of Presence in the College (Academic Work): _____
 (Extension Work): _____

Teaching Work

Class	Sem III
Period Time	9.50 to 10.38
Topic taught	Plant Hormones
Present students	

Details Library/Laboratory/Research/Extension/Other work

Time	Nature of work
10 to 11	Naac work

Signature of Teacher: [Signature] Head of the Department: [Signature]
 Principal: [Signature]
 N.S. Science & Arts College
 Bhadrawati, Dist-Chandrapur

Daily Record

Signature: [Signature] Date: - 10/07/22
 Name of Presence in the College (Academic Work): _____
 (Extension Work): _____

Teaching Work

Class	Sem IV
Period Time	11.50 to 12.38
Topic taught	Plant growth ethc resom cas
Present students	

Details Library/Laboratory/Research/Extension/Other work

Time	Nature of work
10.40 to 11:40	Book reading
12.40 to 6.00	Naac work

Signature of Teacher: [Signature] Head of the Department: [Signature]
 Principal: [Signature]
 N.S. Science & Arts College
 Bhadrawati, Dist-Chandrapur

Daily Diary - Physics

Daily Record

Day - THURS Date : - 3/3/22
 Time of Presence in the College : _____
 (Academic Work) : _____
 (Extension Work) : _____

Teaching Work

Class	<u>I</u>	<u>III</u>
Period Time	<u>9.00</u>	<u>12.35</u>
Topic Planned	<u>Magnetic Evidence for Nuclear</u>	
Topics Taught	<u>Permeability shall structure</u>	

Details Library/Laboratory/Research/Extension/Other work

Time	Nature of work

Signature of Teacher

[Signature]
Head of the Department

[Signature]
Principal

N.S. Science & Arts College
Bhatnagar Dist. Chandrapur

Daily Record

Day - Fri Date : - 4/3/20
 Time of Presence in the College : _____
 (Academic Work) : _____
 (Extension Work) : _____

Teaching Work

Class	<u>II</u>	
Period Time	<u>9.50</u>	
Topic Planned	<u>Division of</u>	
Topics Taught	<u>Amplitude</u>	

Details Library/Laboratory/Research/Extension/Other work

Time	Nature of work

Signature of Teacher

[Signature]
Head of the Department

[Signature]
Principal

N.S. Science & Arts College
Bhatnagar Dist. Chandrapur

Daily Diary - Zoology

Daily Record
 Day - Saturday Date : - 18/12/2021
 Time of Presence in the College (Academic Work) : _____
 (Extension Work) : _____

Teaching Work

Class	BSC II
Period	10.40 to 11.30
Topic Taught	Migration and its significance
Present Students	

Details Library/Laboratory/Research/Extension/Other work

Time	Nature of work
12 to 4 pm	AGAR WORK

Signature of Teacher: [Signature]
 Head of the Department: [Signature]
 Dr. L. S. Jadhav, Pimpri, Dist. Solapur
 S. Science Arts College, Badkawan, Dist-Chandrapur

Daily Record
 Day - Friday Date : - 17/12/2021
 Time of Presence in the College (Academic Work) : _____
 (Extension Work) : _____

Teaching Work

Class	BSC II
Period	10.40 to 11.30
Topic Taught	Aves classification flight adaptation -
Present Students	

Details Library/Laboratory/Research/Extension/Other work

Time	Nature of work
12 to 4 pm	AGAR WORK

Signature of Teacher: [Signature]
 Head of the Department: [Signature]
 Dr. L. S. Jadhav, Pimpri, Dist. Solapur
 S. Science Arts College, Badkawan, Dist-Chandrapur

Daily Record

Day - Thursday Date :- 14/10/2024
 Time of Presence in the College (Academic Work) : _____
 (Extension Work) : _____

Teaching Work

Class	BSC I		
Period Time	9.50 to 10.30.		
Topic Taught	Pharmaceutical General Characters and classification		
Present Students			

Details Library/Laboratory/Research/Extension/Other work

Time	Nature of work
11.00 to 3 pm.	SSR work

Signature of Teacher

Head of the Department

Principal

N.S. Science College
 Bhabanwari, Dist-Chandrapur

Daily Record

Day - Saturday Date :- 16/10/2024
 Time of Presence in the College (Academic Work) : _____
 (Extension Work) : _____

Teaching Work

Class	BSC II		
Period Time	10.40 to 11.30		
Topic Taught	Anytime staff.		
Present Students			

Details Library/Laboratory/Research/Extension/Other work

Time	Nature of work
12 to 3 pm	SSR work

Signature of Teacher

Head of the Department

Principal

N.S. Science College
 Bhabanwari, Dist-Chandrapur

Daily Record

Day - Thursday

Date : - 21/10/2021

Time of Presence in the College

(Academic Work) : _____

(Extension Work) : _____

Day - Friday

Time of Presence in the

Teaching Work

Class	BSC I	BSC III	
Period Time	12.30 to 1.15	2.00 to 2.45	
Topic Taught	Reproduction in paramecium.	Intertidal zones	
Present Students			

Class	BSC I
Period Time	2.00 to 2.45
Topic Taught	phytum protein for General character and classification
Present Students	

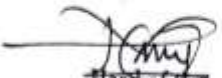
Details Library/Laboratory/Research/Extension/Other work

Time	Nature of work
1 to 2 pm.	SSR work


Details Library/La

Time	
1 to 2 pm.	SSI
	Na


Signature of Teacher


Head of the Department


Principal


Signature of Teacher

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Daily Record


Day - Tuesday Date : - 15/3/2022
 Time of Presence in the College (Academic Work) : _____
 (Extension Work) : _____


Teaching Work

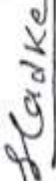
Class	BSC III	
Period Time	2.45 to 3.30	
Topic Taught	Carbohydrate	
Present Students		

Details Library/Laboratory/Research/Extension/Other work

Time	Nature of work
9 to 8 pm	SSR work
	Departmental work
	International e-conference
	ANG, Manora


 Signature of Teacher


 Head of the Department


 Principal


 Dr. V.S. Lathke
 PRINCIPAL
 N.S. Science & Arts College
 Bhadravali, Dist-Chandrapur


 Head of the Department


 Principal

Daily Record

Day - Wednesday Date : - 16/3
 Time of Presence in the College (Academic Work) : _____
 (Extension Work) : _____

Teaching Work

Class	BSC III	
Period Time	2.45 to 3.30	
Topic Taught	proteins.	
Present Students		

Details Library/Laboratory/Research/Extension/Ot

Time	Nature of work
9 to 8 pm	SSR work
	Departmental work


 Signature of Teacher


 Head of the Department


 Principal


 Dr. V.S. Lathke
 PRINCIPAL
 N.S. Science & Arts College
 Bhadravali, Dist-Chandrapur

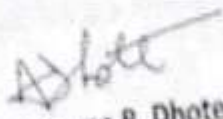

 Head of the Department


 Principal

Project Completion Certificate

CERTIFICATE

This is certify that project work entitled "Dephosphorization of steel produced from sponge iron in the induction furnace" is own work of of Ms Rupali D Chirde , conducted at Nilkanthrao Shinde Science and Arts College Bhadrawati, Dist. Chandrapur, Gondwana University, Gadchiroli, for their partial fulfilment of degree of Master of Science in chemistry in the faculty of science under my guidance. To the best of knowledge, this work has not been submitted earlier to any University or institution for award of any diploma or degree.


(Dr Mrs. Aparna B. Dhote)

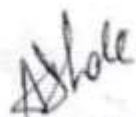
Head of Department of Chemistry
Nilkanthrao Shinde Science and Arts College,
Bhadrawati.



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

CERTIFICATE

This is to certify that the project work entitled "Assessment of physico-chemical parameters of Wani pond Ganeshpur " in District Yavatmal, Maharashtra" is own work of Mr. Gaurav V. Khulsange, conducted at Nilkanthrao Shinde Science and Art College, Bhadrawati, District Chandrapur Gondwana University, Gadchiroli, for the partial fulfillment of degree of Master of Science in chemistry in the faculty 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.



(Dr. Mrs. Aparna B. Dhote)

Co-ordinator

Post graduate

Department of Chemistry
Nilkanthrao Shinde Science
and Art College, Bhadrawati



Dr. L.S. Ladke

PRINCIPAL

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