1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

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	
	A CONTRACT OF THE PARTY OF THE	The Control of the Co	
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	The same of the sa
Diwali Holidays/Winter Vacation	01-11-2021 to 30-11-2021

Holidays					
Sr. No.	Month	Date	Activity		
1	September 2021	1-9-2021	Pola		
200		10-09-2021	Ganesh Chaturthi		
2	October 2021	2-10-2021	Gandhi Jayati		
		6-10-2021	Pitrumokhsha Amavashya		
		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		

Academic carendar 2021-22

Dr.L.S. Ladke BI PRINCIPAL

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

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

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	Heliday	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
	04	04	04	03	04	05	04	02	30	24
April	04	04	04	04	04	04	05	02	31	24
May	02	02	03	02	02	02	02	00	15	15
June Total	18	17	19	17	16	17	18	07	129	106
Days	10	1	1		12.7		1000		200	

Total Working Days	Actual Teaching Days			
106	106			

Holiday	Holidays					
Sr. No.	Month	Date	Activity			
1	March 2022	1-3-2022	Mahashivratri			
100	Ivanicu zone	18-3-2022	Holi (Second Day)			
2	April 2022	14-4-2022	Mahavir Jayanti			
	14-4-	14-4-2022	Dr. Babasaheb Ambedkar Jayanti			
		15-4-2022	Good Friday			
3	May 2022	3-5-2022	Ranzan Eid			
-	Trialy 20mm	16-5-2022	Buddha Pornima			

2021-22

PRINCIPAL N.S. Science Arts Cottage

Bhadrowell, Diel-Chandrager

Dr. L.S. Ladke PRINCIPAL

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

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 D	
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	

Chairman - Academic carendar 2021-22

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

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Dr. L.S. Ladke
PT. NCIPAL

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

Academic Calendar (University) 2021-22

GONDWANA UNIVERSITY.GADCHIROLI

ashtra Nutification No. MIDC 2007/(322/07) UNI-4 Dated 27 * Sept.2011 & by Mahirrashtra Pablic University Act, 2016 Maharrashtra Act No. VI of 2017]

M.I.D.C.ROAD, COMPLEX,GADCHIROLJ,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 07/02/2022 to 15/06/2022 Second Term (Even semesters) Summer Vacation 16/06/2022 to 15/07/2022

2. Admissions

a) Last date of admission(First term odd sem) b) Last date for Admission with prior

permission of the Vice-Chancellor

: 30/09/2021 : 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

Last date for receipt of examinations Forms

: 06/01/2022 to 05/02/2022

a) Regular students

: 30/10/2021

b) Old Ex-students/ External student c) Ex-Students of immediately previous Examination : 30/10/2021

: 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

b) Old Ex-students/External students

15/03/2022 : 15/03/2022

c) Ex-Students of immediately previous Examination: 15/03/2022

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

Dr. L.S. Ladke PRINCIPAL

N.S. Science & Arts College Shadrawate, Dist-Chandes

Page 1/2

B) ACADEMIC CALENDAR FOR THE COURSES CONDUCTED AS PER "ANNUAL" PATTERN FOR

1. Terms & Vacation

First Term Winter Vacation Summer Vacation

2. Admission

a) Last date of Admission b) Last date for Admission with prior permission of the Vice-Chancellor

3. Last date of Enrolment

Enrollment forms to the university

: 30/08/2021 to 06/02/2022

: 01/11/2021 to 30/11/2021 :16/06/2022 to 15/07/2022

30/09/2021

:30/10/2021

:i) upto 10/10/2021 for admitted student upto 30/09/2021

ii)upto 10/11/2021 for admitted student upto 30/10/2021

iil) 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

o) Winter Examinations.

Commencement of Examination Last date for receipt of examination Forms

a) External students b) Old Ex-Students c) Ex-Students of immediately previous examination 30/10/2021

: 06/01/2022 to 05/02/2022

: 30/10/2021 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 b) Old Ex-Students c) External Students d) Ex-Students of immediately previous examination

15/03/2022 : 15/03/2022 15/03/2022

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 Assidemic Calendar 2021-2022 have been programal by presuming that the struction created due to Covid-19 will be sorted out. But if the situation degrades further due to COVID-19 than this Calendar schodule 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

11/5/201 (Dr. Anil Z. Chitade) Registrar

Copy forwarded for information and necessary action to :-

- P.A. to Hort ble Vice-Chancellor, Gondwana University Gadchiroli.
 P.A. to Hort ble Pro-Vice-Chancellor, Gondwana University, Gadchiroli.
 The Registrar of All Universities in the Maharashtra Stitte.

- The Principals-Director of all affiliated Colleges Heads of the Post-Graduate Teaching Departments Statutory officers: Deputy Registrat of the Gondward University, Gadebroth.
 Director, Knowledge of Resource Center of the Gundward University, Gadebroth.
- 6. System Analyst, Gondwana University, Gadehiroli.

-HEADE (Dr.Hemant Barsagade)

Deputy Registrar (Acad.)

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

or L.S. Ladke

Page 2/2

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. Or	ie Mark each.	
 The magnetic field due element when it is perpen 	vart's law, the fuctor is directly it and the lengt it and the lengt it and the square of the square of wagnetic induct c) Weber e north-south diue to a 1 cm pies 1004 × 10°9 T to a current election its axifalse	magnitude of proportional the forcurrent elelement and the the distance (ration from Biotal) Gauss rection carries coof wire at a c) 204.4 × ment is minimals. State true of duction from the control of	magnetic induction (do – ement (dl), e line joining point P. 2) between the element -Savart law. a current of 8 A from point 200 cm north-ea 10 ⁻⁹ T d) 1.4 × 10 um in a plane passing r false.	south to north.
6. Which among the follo a) It is the ratio of magnetic b) The SI unit of magnetic c) It is the ratio of intensit d) It is the ratio of magnet 7. Give the SI unit of mag a) T A m ⁻² b) T A ⁻² m 8. Relative magnetic perm a) True b) False	wing is true abo tic intensity to in a susceptibility in by of magnetization moment to ve metic permeabiling of T A ⁻¹ m	ut magnetic st stensity of mag s Tesla (T) ion to magneti olume ity of free spac d) T A m ²	esceptibility? gnetization c intensity	$a) B = \square_n(HI)$
9. The relative permeabili	tv of a medium	is 0.050. What	is its magnetic suscen	ribility?
a) 500 b) 501	c) 49.9	d) 499	- F	(5)
10. A material has a perm be the magnetic induction a) 7 T b) 0.7 T	inside the mater c) 70 T	rial? d) 0.07	nagnetic intensity is 70	A/m. What will
 Ferromagnetic materia 	als does not show	w hysteresis.		
a) Trueb) False				
Find the correct combi- paramagnetic substance.	nation regarding	g relative pern	neability and magnetic	susceptibility of a
a) $\Box_r \ge 1$, $\Box < 0$	b) □, < 1, □	> 0	c) $\Box_r \leq 1$, $\Box \leq 0$	d)
$\Box_r \ge 1, \Box \ge 0$				
13. Identify the expression	for ampere's ci			
a) ∮ B.dl = □ ₀ I b) ∮	B .dl = □0I	c) \$	$B.dl = 2 \square_0 I$ d) \oint	$B . dl = 4 \square_0 I$
14. Which law can ampere a) Gauss Law b) N	s circuital be d			CONTROL ACCUMENT
15. State the rule that is us	lewton's Law ed to find the di	 c) Kirchhot rection of field 	T's Law d) Biot-Sav	art Law a current-
carrying straight conducto	r.			
 a) Cork rule b) The right 	-hand thumb ru	le c) Swimmii	ng rule d) Flemings	rule
			adke_	

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

Marathi

<u> Tara</u>	
/	निष्ठकंडराव रिशेट गेन्हान व कृषा महाग्यशावय भारापता म ६.९५००
	7811
	38-75m 40 18 501-50
	चिप: कोग तेरी प्रवस्त स्वेउ वा.
	'सत्याची जात' या काव्यसंग्रहाचे क्वी कोण धारेल!
	31) शंकरराय त्ररातः व) शरन्तंद्र (मुक्तिकोध के) इंरिया संस
	उ) शियाजी सार्वत.
	मुख्य, लेक्ट्रिक
9	सूची, साहित्य व सीर्विम्लय या ग्रंगास को वाता पुरस्कार प्राप्त
2	Feel, 41164 4 41844 11 3114 11111
	इमाहा अमरे !
3	 उम्र द्वाहित्य अभार्भी अ) सानचीर क) महायाष्ट्र शासन
	3) केश्रावस्त
2	'इलिल वाड्मय : एक निन्यार 'हा पाढ को गत्या पुस्सका तून धेलला (अर्ष
	 अ) नवी महबाट व) थांत्रिक क) जीयम (थाली साहित्य छ)
	3) अन हे बोहत जेबे
902	
8	ग्रामीन निभागाल अस्पृय्यायर होनारे अत्या-ग्रार सुरत्यतः
	कुशार्शी निगडील प्रमारे १
0	(अ) भूमी प्रश्नावि क) मनुर्शवि कि) आमारि 3) धरोरी
0	() भूका प्रकारण के अनुरायण मिन्ना पा
- 4	स्पतंत्र कारकान्या मन्यां परिस्थितीम यारखेल्या क्रिती पीद्या
	पुटे अमहोस्या आहेत. १
	Br) रोन को सीन फी-चार ड) एक
₹.) दलेगाया था पाइन्या लेखकाने पूर्व माव काय छाहे.?
	Or) 21 px «141 «प्राम अ) 21 px 18 हम01 रपरान
	क) यांक्र राम्म अगदान 3) यांक्र माद्यन रवराल
1	
6-1	St adke
	Or. L.S. Ladke
	N.S. Science & Arts College

Chemistry

2622

NILKANTHRAO SHINDE SCIENCE & ARTS COLLEGE, BHADRAWATI COLLEGE PRELIMINARY EXAMINATION SUMMER – 2022

B.Sc. I Semester - 11

Sub: Chemistry Paper-II (Physical Chemistry)

Time: 75 mins Max. Marks: 50

Attempt any 50

- 1. The graph of linear equation is always in the form of
 - a) Straight line b) circle c) sphere d) curve
- 2. The value of log (xy) is
 - a) 0 b) log x + logy c) 1 d) 2
- 3. The value of log I is
 - a) 1 b) 2 c) 0 d) 3
- 4. The slope of the line is not defined if the line B
 - a) Parallel to x axes. b) Parallel to y axis c) Parallel to the line x+y=0 d) Parallel to the line x-by=0
- 5. The slope in for equation 3y = 2x + 6 is
 - a) 3/2 b) 4/3 c) 2/3 d) 6
- The equation y=1= mix=x11, for different values of m and ((x1, y1) fixed, represents
 - a) A family of concurrent lines b) A family of parallel lines c) A straight line
 - d) A family of current lines.
- 7. Two straight lines whose gradients are m1 and m2 respectively are parallel if,
 - a) m1=0 bj m1=2=1 c) m1=m2 d) m2=0
- 8. The maximum value of (logx)/x is
 - a) 1 b) 1/e cle d) 2/e
- 9. The SI work of temperature is
 - a) Celsius b) Fathrenheit c) Newton d) Kelvin
- 10. The ionic product of water is
- 11. The pet of acidic solution is 3.72 Calculate the hydrogen ion concentration of solution.
 - a) 1.905 b) 7.325 x 20-3 c) 4.258 d) 1.905 x 10-4
- 12. In second quadrant, abscissa is ---- while ordinate is ----
 - a) negative positive to positive negative c) positive, zero d) zero, negative

Or. L.S. Ladke
PRIPATIPAL
N.S. Science Arts College

Ehadrawati, Dist-Chandrapue

Botany

Nilhambhane of some of the shore of the shor			/		ilementado anon a
specials (a) secure (b) secure (c) secure (e term ocotype was proposed by Turnson both a and b slem and Shive Rao (1948) found	b) Ramkiser's d) none of the above Lindenbergia, polyantia, and Linde		ilicanthrao Shinde Science Preliminary Examina B.Sc. Sem – Paper II: PAM	k Ars Courge, prince and the Summer 2022 It botsony Decoyo Max Marke: 50 6-8028
The state of the s	icaelolis to be the ecotypes of different both a and b art alse sulted as	species. () series of the above () possessopare. () possessopare.	New New	at of	e opilots ned ecology as the study if intersections of form,
It is without the state of seasons dening 1a. It is perford a period of period of period of the state of the above in the special of the above in the special of the above in the special of the special of the above in the special of the above in the special arrival of the special of the above in the special of the above in the special of the above in the special arrival of the special of the above in the special of the above in the special of the above in the special arrival of the above in the above in the special arrival of the above in the abo	distribution of the control of the c	the spite from sent to seed in one lead of are typical of doesn't and grasslands. Or Hallophysia		fingeron and fasters. a) Kerb o) Relac	b) Miers d) Treat Haokkel to wasty of the relations of individual species to
Phenology In the tapacity of normal growth and exproduction which are important for is the expectity of normal growth and exproduction which are important for coeseful savvival of the species It have been been a species Section of the species Algologist Algologist Algologist Algologist Commonly occur in high artifieds and informate of the above Social artified Social artifieds Brance-playes Social artifieds Social artifieds Social artifieds and artifieds and interceptives Social artified of the above Social artified of the artified of the above Social artified of the artified of t	hasaphytos le a scientific a criscos in relation to their	2	n.		b) Population scology d) Community ecology
is the appecity of normal growth and expendences where the selected survival of the species Wigous generally use Christen Raunisher's (1914) of plant life formal generally use Christen Raunisher's (1914) of plant life formal general distributions of the shore corresponding to the selection between species. Social altitude corresponding to the selection of the shore) Physiogramy) Phenology	d) none of the above			th man and other living ceganisms live is corner
Hybrid vigors	ngssan	owth and reproductions which are and		a) Stratosphere	b) Themosphere d) Troposphere
Sporterally use Christee Ranakser's (1934) of plant life forms. b) Ecologist cupresses the degree of association between species. cupresses the degree of association between species. cupresses the degree of association between species. b) Social arithmés commonly occur in high attitudes and indicades. commonly occur in high attitudes and indicades. commonly occur in high attitudes and indicades. b) Remarksployees. c) Theresployees c) Theresployees c) Theresployees c) Theresployees c) Theresployees c) Theresployees d) Geographies b) Theresployees d) Geographies b) E, Loy Brain d) none of the above c) B. P. Charm d) none of the above c) B. P. Charm d) none of the above c) But a and b The gradual and predictable change in the species composition of a given area is called as a sociogical succession is a very c) but a and b Thereby the and b c) The species composition of a given area is called as a sociogical and productable change in the species composition of a given area is called as a sociogical and productable change in the species composition of a given area is called as a sociogical area and b Therefore the sociogical gradualism d) none of the above c) but a and b Therefore the sociogical gradualism d) none of the above c) but a and b Therefore the sociogical gradualism d) none of the above c) and man of the above d) none of the above c) and man of the above c) and man of the above d) none of the above d) none of the above e) process.	F	b) Vitality d) none of the above			In height above the certh surface.
give of accociation between species. a) social reforms b) Social reforms d) name of the above dan in the soil as bulbs and histories called as b) Heamicryptophytes d) anne of the above d) Googhlytes succession is a natural process by which the same bocality thed by different grapes or communities b) E. Looy Brown d) none of the above change in the species composition of a given area is called as b) contaging the above d) none of the above b) none of the above c) none of the above d) none of the above h) first f) none of the above b) first c) none of the above d) none of the above h) first f) none of the above	18	kiner's (1934) of plant life forms. b) Ecologist		a) 90 km c) 115 km	d) 120 km surface is governed by the brightness of the sun.
b) Social reforms commonly occur in high attitudes d) more of the above commonly occur in high attitudes d) Teaning-prophytes d) Teaning-prophytes d) Characephytes d) Characeph	Algologists	 d) none of the above cistion between species. 		The a) Light	h) Atmosphere A) none of the above
Social attitude Social attitude Social attitude Social attitude Social attitude Social attitude Commonly occur in high utilities and factories colled social accordance b) Hemicropholytes Commonly occur in high utilities and chizomes colled social social accordance b) Humanophytes Commonlytes Commonlytes b) Humanophytes b) Hu) Sociability	b) Social reforms		с) Тепретінге	a mixture of inorganic and organic materials, both
b) Hemicophytes () Characephytes () Characephy	Social att	d) none of the arove hades and latitudes		of which are decomposition	lo Soil
on The partie of the parties of the	() Phancrop	 b) Hemicryptophytes d) none of the above 	13.	a) Land c) Both a and b	d) Note of the above
on form is called as 9) The oliver of the o	c) Chambophytes The buds are completely hidden in the so	il as bulbs and chizomes called as			of soil is called as b) glacier formation
sessively colonized by different grapes or communities b) E. Lecy Brane d) none of the above b) ecological gradienties control is a very procession b) ecological gradienties b) ecological gradienties c) none of the above b) first d) none of the above b) first d) none of the above b) first d) none of the above pRINCIPAL process	a) Therophytes a) Hemieronicolories	b) Phanerophytes d) Geophytes		200	d) none of these d) none of these sail
change in the species composition of a given arm is called as (a) none of the above (b) ecological graduation (c) none of the above (c) none of the above (d) none of the above (e) none of the above (f) none of the above (g) none of the above		is a natural process by which the sun	e locality	The generally upto the depth of 2 m	
change in the species composition of a given area is called as b) ecological gradiention d) none of the above b) that d) none of the above process. b) that d) none of the above	becomes successively colonized by diffe	num grapes of communication b) E. Lucy Brasm		a) Soil profile	d) tand promise d) more of these
b) ecological graduation d) none of the above b) fast d) none of the above Dr. L.S. Ladke	a) Common o) E. P. Odum	d) none of the above as exertes composition of a given arm it	s called as		ines the movement of water through pore spaces in
b) ecologistic grantmoon d) none of the above d) none of the above d) has e) has) The gradual and prounctions change as a			known as	b) Soil profile
process. (a) finst (b) finst (c) none of the above (c) Both a and b (d) process (d) finst (e) none of the above (f) principal.	a) ecological succession c) both a and b	b) ecological graduation d) none of the above	00 JKC	c) both a and b	
d) none of the above Dr. L.S. Ladke c) Both and b	48) Primary succession is a very	14	1/200/	-16) Plants carried absorb the hygroxygen	
	a) slow	d) none of the above	Or L.S. Ladke	c) Both a and b	d) none of the above
	the state of the s		PRINCIPAL		

NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE BHADRAWATI

COLLEGE PRELIMINARY EXAMINATION SUMMER -2022

TIME TABLE - ARTS FACULTY

Sem - IV
Geography
Sociology
Marathiv
English

Df.R.S.Hajare

Chief Supervisor
College Preliminary Examination
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 27/51 2.
Dr. L.S. Ladke
PRINCIPAL
V.S. Science 3 Arts C.

adka

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

> N.S. Science & Arts Gollege N.S. Science & Arts Gollege Bhadrawati, Dist-Chandrapuf

Unit Test - Botany

\		N.S. Science & Hote cla PAPER - IL DUINITI
		class-B&C - Sem III
		Total Makes - 15
		Unit - II
		Julhat is double Fertilization? Describe the process of double
		Fertilization , 5 mores
	<u>⊗</u> 2	What is embryo? Describe the Devictorment of dicat embryo
a.		hillhost is endosperm ? segenbe the types of endosperm - 5 mones
		Thee 15 N. S. Woodhave
		DISSIP DOCE IN
		Stadke Bobany
19	-	Dr. L.S. Ladke PRINGIPAL
3		N.S. Scient Arts College Bhadrawati, Dist-Chandrapur
5		
3		
	10.	

Unit Test - Chemistry

Time: 45Minutes Unit Test	nthrao Shinde Science & Arts College, Bha Chemistry Paper I (Organic) B. Sc. III Sem V	Maximum Marks I
VIII 168	Date: 25/08/2021	
A Explain theory an	d principle of NMR spectroscopy.	5
		The second second
B Explain the follow	ving	5
B Explain the follow		5
		Š
1 spin spin couplir 2 chemical shift		21/2

PRINCIPAL

N.S. Science & Arts College Bhadrawati, Dist-Chandrapur CB. A.B. DLate

N.S. college, Bladsawali

Total Marks 20

Unit Test (Physical Chemistry Paper II)

B.Sc. III Sem-V Electrochemistry I, II

Dt. 06/11/2021

1. Define following a) Equivalent conductance b) Molar conductance c) Specific conductance 2. Write a short note on Kohlrausch's law with applications 3. Explain Arrhenius Theory of electrolyte dissociation and give its applications. 4. Write a short note on moving Boundary method and Hittorf's 5M Method. 5. What are Reversible and Irreversible cells and determine the pH by using Quinhydrone electrode. 5. Mathematical States of the states of

(Do K. P. Jumele)

Dr. L.S. Ladke

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

Unit Test (Physical Chemistry Paper II)

B.Sc. III Sem-VI

Dt. 21/04/2022

Total Marks 20

1.	Write the difference between Thermal and Photochemical Process.	2M
2.	Write the causes for high quantum yield.	2M
3.	Write a short note on fluorescence and phosphorescence.	зм
4.	Derive the expression for Beer-Lamberts law of photochemistry.	3M
5.	Write a short note on I) Grothus-Draper law	
	ii) Stark-Einstein law	4M
6.	Explain Jablonski diagram for depicting radiative and non-radiative	
	Fluorescence and phosphorescence processes.	4M
7.	Write a short note on energy transfer process.	2M

Dr. L.S. Ladke

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

Unit Test - Physics

N.S. science & Arts correge, Bhothowath Dest dough aren Department of physics

Class: Bisc Som- II subject : PHYSICI- PAPER. II Dipolal And Anglog enceits And Tostogranfolian

Asserments averyons

UNITY-I

B-1> Distinguish Seturen Analog and Amtel chroists-

Q-2>- State and poore Demogram's Abour An.

2-3> - consist the decimal No (57.8), into an equivalent Amony number.

Druly Syplain Face Adder

Q. 1> Exploun the working of focce was & Recollies

Q-27 Explain the weating of parsonerion occurle in forward bias.

BN3) Esplain a Space diede as a Voltage Regulator

2-47 What is the necessity of filter circuit in 9 peculo selply -

Stadke

N.S. Scien arts College Shadrawati, Dist-Chandrapur Jahogan/con

(DS. A.D. Dahegankers)

<u>Unit Test – Computer Science</u>



Bhadrawati Shikshan Sanstha, Bhadrawati

NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE

Bhadrawati, Dist. Chandrapur (M.S.)

[Department of Computer Science]

UNIT TEST-I

Time	: 50 min.	Paper No & Name: (Elective II): Data Co Date :09/04/2022	ommunication with Cloud Marks: 15	
Note:	i) Solve any THREE questions ii) Draw neat and labeled diagram wherever necessary and assume suitable data if n			
Q.1	Explain analog dat	a transmission	05	
Q. 2	Explain twisted pa	ir cable	05	
Q. 3	Explain Optical fil	er	05	
Q. 4	Explain Microway	e Communication	05	
Q. 5	Explain error conti	ol	05	
Q. 6	Explain multiplexi	ng in detail	05	

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

Nilkanthrao Shinde Science And Arts College, Bhadrawati

Department of Computer Science

	and combined merit	
Class: B.Sc. IV Sem.	Unit Test-I	Max. Marks: 15
Paper No. & Name: II Visual Basic &	Introduction to NET	

Sr. No.	Name: II Visual Basic & Introdu	
1	ALLAKATLA S. YADAGIRI	Marks
2	AWALE ACHAL A.	11
3	BAWANE MAHESH C.	14
4	BODHE MAYURI D	08
5	DAHULE HITESH A	06
6	DIXIT RAJYASHREE 5	09
7	DONGE KUNAL S.	07
8	DOPPALA AJAY C	13
9	DURGE GITIKA K.	11
10	DURYODHAN AKSHAY N.	15
II	GHUGUL KRUNALI V	10
12	JAMBHULKAR NIKITA, V.	09
13	KAKDE PRACHI H	12
14	KALE PALLAVI S.	14
15	KAREKAR PRITI V.	13
	KATKAR RACHI W	12
16	KHARAWADE KHUSHI M.	06
17		08
18	MASALKAR RAFRIL S.	09
19	NAGPURE DARSHANA D	10
20	NAKSHINE SAHIL V	12
21	NANDE VIPUL G	14
22	NIMBALKAR JANVI P.	12
23	PUDURKAR AISHWARYA R.	09
24	MAHEK M. SAYYAD	10
25	SHEIKH SANIYA S	15
26	SHIVARKAR KOMAL P	13
27	SHIWARKAR GANESH H.	12
28	SOYAM DIPAK R.	10
29	THAKUR KOMAL C	09
30	TONGE KRUPALI A.	12
31	TUNGAPINDEPRAKYT N	- 11
32	VIDHATE PRASAD S.	12
33	YELANE PRITE G.	13

Dr. M. N. Quadri

Assistant Professor

Department of Computer Science

N.S.Sci. & Arts College, Bhadrawati

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

Nilkanthrao Shinde Science And Arts College, Bhadrawati

Department of Computer Science

Class: B.Sc. II Sem. Unit Test-I Max. Marks: 15
Paper No.& Name: Structured Programming with C Date: 12/05/2022

Sr. No.	Name	Marks
1	BHOSKAR KHUTIKA B.	10
2	BOSEWAR DIVYA: V.	13
3	CHAUDHARI NIKITA G.	15
4	DARVE SURAVANI V.	15
5	DASARI DAVID H.	03
6	DASRI PHILEMON V.	10
7	DURGE MANSES	09
8	GAURKAR DEVYANI P	12
9	GAYKWAD ARPITA S.	14
10	HUMANE SANJANA R.	06
11	KANDE PRIYA: V.	14
12	KARKADE SHREYA H.	13
13	KARKADE ANKITA S.	12
14	KHOBRAADE PRADNYA U	12
15	LANDGE SAHIL S.	07
16	MANDHARE ANJALI S.	15
17	MESHRAM SANYOG 5.	11
18	MESHRAM PRATIK R.	05
19	MESHRAM SANKET S.	07
20	MILMILE KRUNAL, V.	11
21	NAGPURE MAYUR V	10
22	PATHAK ANKIT A.	13
23	PATHAN FARHAD R.	14
24	PATHAN NILOFAR L.	09
25	PATRIAN GUDEYA J.	10
26	RAUT RUPESH D	12
27	RODE SHREYAS P.	13
28	RUYARKAR ACHAL V	09
29	SAH ANKIT K	12
30	SHEIKH SANIYA H.	10
31	SHEIKH AZIM S.	07
32	SWAN SAKSHE S	07
33	TEKAM PRANALI K	15
34	TUMSARE GOURI N.	14
35	VIDHATE SONAM D.	09
36	WARHADE YASH S.	08

Dr. M. N. Quadri

Assistant Professor

Department of Computer Science

N.S.Sci. & Arts College, Bhadrawati

PRINCIPAL

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

<u>Unit Test – English</u>

	BA-I year Sem-I mm on
.0	BA-I year Sem-I M.M-20 English class Test.
010	Answer the tollowing questions in Is words. (Any two)
	(Ang two) 5
war	1) 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
- ')	why shad Bishumber Come to Bearch of his
2)	At what yours well show lecture?
3)	How is murcy Hwice bless?d?
	At what news well show lecture? How is murcy "twice bless?d?
(B)	Answer any one questions in about 150 words
and the second second	6.
1)	Kalam was a gitted teacher what does two
	Kalam was a gitted teacher what does this tent tell or about his method of feeling?
	the content of the Indian tredoughty of
Q 2@	Fill in the blanks with article. 5
0	Have you had breakfast?
2)	Have you had breakfast? Deacock is in danger of Entinction.
3)	Dr. Abdul Kalam was hobest man.
47	The Hable is made of wood.
3)	the crasked for milk.
	7.
1 18	
1 30	

Project Completion Certificate: Chemistry

CERTIFICATE

This is certify that project work entitled "Dephosphorization of steel produced from sponge iron in the induction furnace" is own work 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 physicochemical parameters of Wani pond Ganeshpur " in District Yavatmal, Maharashtra" is own work of Mr. Gaurav V. Khulsange, conducted at NilkanthraoShindeScience and Art College, Bhadrawati, District Chandrapur Gondwana University, Gadehiroli, 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 of 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

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

Project Completion Certificates: Botany

CERTIFICATE

This to certify that Miss. Rohini Mahadev Pimpalshende studying in M.sc 2nd year Sem – IV, Botany for the academic year 2021-2022 has completed the project work entitled as "SURVEY OF POISONOUS PLANTS IN WANI, DIST – YAVATMAL, MAHARASHTRA, INDIA." under the guidance of Dr. Praveenkumar N. Nasare. The project work is done by the student own work as per my knowledge.

Date :-

Place :- Bhadrawti

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

CIRTIFICATE

This to certify that the work present in this project work entitled "Surve Of Poisonous Plants in Wani, Dist-Yavatmal, Maharashtra, India". Is this own work of Miss. Rohini Mahadev Pimpalshende Conducted in college of Nilakanthrao Shinde Science And Art's College, Bhadrawti under my supervision.

Date :- 17/05/2022

Place :- Bhadrawti

pr PM. Masare

made Some a Blinday that Chandrapur

PRINCIPAL N.S. Science & A. College Shadrawati, Dist-Chandrapur

CERTIFICATE

This to certify that Miss.Savita Ashokrao Muneshwar studying in M.sc 2ndyear Sem – 4, Botany for the academic year 2020-2021 has completed the project work entitled as "SURVEY OF MEDICINAL PLANTS IN SAKHARDARA, DIST – YAVATMAL, MAHARASHTRA, INDIA." under the guidance of Dr. Praveenkumar N. Nasare. The project work is done by the student own work as per my knowledge.

Date :-

Place :- Bhadrawti

Dr. L.S. Ladke

N.S. Scier Pollege Bhadrawau, Disconandrapur PRINCIPAL 2

E.

Ph. D. Students Seminar:

Nilkathrao Shinde Science and Arts College, Bnadrawati,
Distt. Chandrapur
Centre for Higher Learning and Research
Name of Student: Mr. Ashish U. Sheade
Subject chouristy Physics
Faculty Science & Technology
Thesis entitled: "Volumetric and the suo acoustic
ctudios of Termony mixturos
at different temperatures
ac ac product the contract of
Name of Supervisor: Dr G. R. Bodged
Report on Seminar (No:
fresentation on review of literature
carried out by the seseench strakers
13 satisfactory for the PhD. work.
action "Amish
Supervisor Subject Expert
Name Do. G. R. Bodare (Name Dr. A. A. Mustry HS Coplege, Bhodowate Awardmiletawallage,
HS Weef shadowate known below allage,
Malors O
PRINCIPAL/HEAD Place of Research Work (CHLR)
Nill anthrap Shinde Science & Arts
College Rhadrawati Dist-Chandrage
DRINCIPAL I HERY 1/22
WILD AND MEETING STOCK
tvilkanthrao Shinde Science and Arts Sollege Bhadrawati Dist Chandrapin
Constant and Const

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

Centre for Higher Learning and Research
Name of Student: Ku. Shivani Prakash Burd
Subject Chemistry
Faculty Science and Technology
Thesis entitled "Effect of Lit, Nat 2ktions
or different solvents through
Thesis entitled "Effect of Lit, Nat 2ktions on different solvents through ultersould investigation"
Name of Supervisor: Dr. A. B. Dhote
Date :- 09/08/2022
Report on Seminar (No: 01)
More understanding towards secondary ferces is needed.
(Name Dr. A. B. Dhote) (Name Dr. S. A. Shah) N.S. (Megeshadrawale Auaudriketawange Walara
POLICION (UEAD

PRINCIPALHEAD

Place of Research Work (CHLR)

Nilkanthrao Shinde Science & Arts
College Rhadrawati Oist-Chandraou

HLRAND SPECIALIZED STUDIES
Nilkanthrao Shinde Science and Arts
College Bhadrawati Dist Chandrapar

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

Centre for Higher Learning and Research

Name of Studen	Me Sachin H. Shejzame
Subject	CHEMISTRY
Faculty	Science and Technology
Thesis entitled	Science and Technology "Ultrasomic investigation in the
	solution of Anti-malasgal drugs
	at different temperatures.
Name of Supervi	solution of Anti-malasgal drugs at different temperatures.

Report on Seminar (No: 01)
Nice topic and Review of
lifesetuse. Now they should
proceed for the poartical work.

(Name Dr. A. B. Dhorte) (Name Do. Dhoushee Parchhai N. S. Wege, Bladewett Moudriketeen costoge

PRINCIPAL/HEAD Place of Research Work (CHLR) Hilkanthrao Shinde Science & Arts College Rhadrawati Dist-Chandrabit

> H L R AND SPL CHALIZED STUDIES Nilkanthrao Shinde Science and Arts College Bhadrawati Dist Chandraput

Assessment Completion Certificates:

ARTS COLLEGE, CENTRE FOR HIGHER LEARNING AND RESEARCH BHADRAWATI, DIST. CHANDRAPUR



DEPARTMENT OF BOTANT

CERTIFICATE

This is to certify that Shri / Ku. /	Smt. sneha Rumesh
Potrcije	is a bonafide student of
Class BSC-T Roll No.	He/She has done
Unsatisfactory / Satisfactory / Good	/ Excellent Assignment work in
the subject Botany - P II in A	cademic Session 2021-2022
Incharge Dr. P.	Teacher Massis
Table	fladke
Head of the Deptt.	Principal Dr. L.S. Ladke
N. S. Sci. & Arts College, Bhadrawati	N. S. Sci. & Ar Property Bonne

Bhattawath Dies Changrapu

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

BHADRAWATI, DIST. CHANDRAPUR



DEPARTMENT OF Computer

CERTIFICATE

This is to certify that Shri/Ku./Sn	nt. Sejal
Class B. Sc. (III) (sem V) Roll No.	is a bonafide student of He/She has done
Unsatisfactory / Satisfactory / Good /	
the subject Computer Science in Aca	demic Session 2021 - 2022.
Incharge Tea	y'U ncher

Head of the Deptt.

N. S. Sci. & Arts College, Bhadrawati

Formcian Ladke

N. S. Sci. & SrzeGollege, Bliadnegati

Bhadrawati, Dist-Chandrapur

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

BHADRAWATI, DIST. CHANDRAPUR



DEPARTMENT OF Botany

CERTIFICATE

This is to certify that Shri / Kû. / Smt.	Harshad
Class B. SCIII 48 Roll No.	is a bonafide student of He/She has done
Unsatisfactory / Satisfactory / Good / Extended the subject Botany P-II in Acade	cellent Assignment work in
Incharge Teach	MALOSO)

Head of the Deptt.

N. S. Sci. & Arts College, Bhadrawati

Britist Endke

N. S. Sci No. 48616 Gell examble bedrage ati
Bhadrawati, Dist-Chandrapur

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



DEPARTMENT OF Computer Science

CERTIFICATE

This is to certify that Shri	/Ku./Smt	Nilotar Latit
	Pathan	is a bonafide student o
Class B.Sc 1st year Roll A	Vo	He / She has don
Unsatisfactory / Satisfactory /		cellent Assignment work i
the subject Computer Scient	in Acaden	nic Session 2021-2022
7.	charge Teache	M

Head of the Deptt.

N. S. Sci. & Arts College, Bhadrawati

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N. S. Sci. & Arts College Buddlan an

Anand Screen, Bhadrawati 9850372295