

11/10
22

BSC - III sem - V
Unit test
inorganic chemistry

opscare

Date: _____

NAME	mark	Sign
1) Pallavi Gowardipe	07	P.Gowardipe
2) Prachi Bagade	08	P. Bagade
3) Aishwariya Tiwari	11	Aishwariya
4) Prajakta Bodhane	10	Prajakta
5) Achal Jidgilwase	09	Achal
6) Tumeshwari Tiwatode	05	T. Tiwatode
7) Gudiya Singh	09	G. Singh
8) Dolly Singh	07	Dolly
9) Samiksha Swan	12	S.A. Swan
10) Pallavi Horne	09	Pallavi
11) Isha Bodhale	08	I. bodhale
12) Anisha Wadekar	08	Anisha
13) Samiksha		
13) Suchita Raut	08	S. Raut
14) Nilima yedlawar	07	N. Yedlawar
15) Divya R. Wankhede	08	Divya
16) Nitu Kumari Yadav	09	N. Kumari
17) Jaya A. Ledange	09	J.A. Ledange
18) Alishanoaz Bheikh	08	A. Bheikh

Dr. R. S. Horne
Asst. Professor
Dept. of Chemistry

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Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist. Chandrapur
Page No.: _____

11/10
22

B.Sc. - III sem - V
Unit test
Inorganic chemistry

NAME	MARK	Sign
1) Pallavi Gowardipe	07	P. Gowardipe
2) Prachi Bagade	08	P. Bagade
3) Aishwariya Tiwari	11	Aishwariya
4) Prajakta Bodhane	10	P. Bodhane
5) Achal Jidgilwase	09	A. Jidgilwase
6) Tumeshwari Tiwatode	05	T. Tiwatode
7) Gudiya Singh	09	G. Singh
8) Dolly Singh	07	Dolly
9) Samiksha Swan	12	S. A. Swan
10) Pallavi Horne	09	P. Horne
11) Isha Bodhale	08	I. Bodhale
12) Anisha Wadekar	08	A. Wadekar
13) Samiksha		
13) Suchita Raut	08	S. Raut
14) Nilima Yedlawar	07	N. Yedlawar
15) Divya R. Wankhede	08	Divya
16) Nitu Kumari Yadav	09	N. Yadav
17) Jaya R. Ledange	09	J. R. Ledange
18) Alishanaaz Bhekh	08	A. Bhekh

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Page No.

Unit Test - I

11.3.23

B.Sc. I

- Q.1) What are ketones?
- 2) Explain reactivity of carbonyl gp.
- 3) Explain Aldol condensation.
- 4) Discuss Cannizzaro's reaction.
- 5) What is Tollen's reagent?

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11.3.23

11.3.23

Name of Student	Marks obtained
Komal Jangale	12
Anamika choudhari	10
Rajini nichade	10
Maheswari Kale	13
Pranali Pudurkar	10
Achal Raut	11
Sejal Chachane	06
Shehal Nipunge	09
Sunaj Jitkele	07
Vishkrupa Karlekar	11
Janvi Madamkar	09
Khusli Dhadhar	07
Gayatri Sah	09
Sanjana Bakti	05
Prityanshu Aglawale	06

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Bhadrawati, Dist-Chandrapur

Ashote
11.3.23

unit test
Marksheet organic chemistry

Name of student	Unit Test I	II	III	IV
	9.9.22	6.10.22	12.10.22	17.10.22
Aashwajeet Tiwari	14	14	15	15
Hiteshi Thengane	13	13	AA	14
Supriya Belpare	10	12	AA	AA
Aheshwar Jadhav	12	10	13	AA
Rajeshwari Sundarji	10	10	09	AA
Pranjali Raipure	10	11	11	AA
Achal Tiglawar	10	16	AA	AA
Maahi Bagade	08	12	AA	AA
Arshi Kerkde	07	09	AA	AA
Divya Vyavhare	09	11	10	AA
Pallavi Gowandipe	10	08	09	AA
Tramanyu Aji	10	05	AA	AA
Sameer Yashu	12	13	12	AA
Atik Shirsagar	11	12	11	AA
Swagnil Gaudhane	05	AA	AA	AA
Tejas Telang	05	09	10	AA
Krutika Karkale	10	11	AA	AA
Nansi Karmre	12	12	AA	AA
Tanuj Pandit	10	11	AA	AA
Sakshi Kerkde	12	11	AA	AA
Kalyani Lambale	13	10	AA	AA
Gayatri Doye	10	11	AA	AA
Arjun Mundekar	10	09	AA	AA
Ashin Sheikh	14	14	AA	AA

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(Dr. A.B. Dhote)

Session - 2022-23

Unit Test

B.Sc. III Sem III

Sub - Physical Chemistry

Date :- 04/10/2022

T.M: 20 M

Q 1: Define following with example. — 08

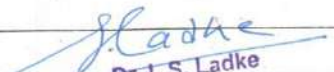
- Colligative Properties
- First order Reaction
- Osmotic pressure.
- VantHoff factor.

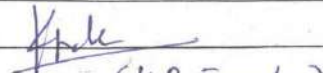
Q 2. Derive expression for elevation in boiling point and molecular wt. of solute. — 04

Q 3. Write Arrhenius equation & explain the terms given in it. — 03

Q 4. Explain degree of association and degree of dissociation — 03

Q 5. Derive expression for Half life period and of first order reaction — 02


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(K.P. Jumele)

Session - 2022-23

Unit Test T.M. 20

Dt :- 04/10/2022

Name of students	Sign	Marks
1 Dhanshree Nagose	D. Nagose	16
2 Achal Nandurkar	A. Nandurkar	17
3 Vaishnavi Chopkar	V. Chopkar	15
4 Pragati Helwate	P. Helwate	16
5 Sakshi Dhoke	S	11
6 Yamini Marapelli	Yamini	18
7 Chaitali R. Zade	Chaitali R. Zade	15
8 Aarti A. Mate	Aarti A. Mate	12
9 Sakshi S. Nagpure	Sakshi S. Nagpure	11
10 Shaloni Kumar	Shaloni	10
11. Madhuri B. Kaduka	Md.	18
12 Pragati V. Tandulkar	Tandulkar	17

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K.P. Junde
(K.P. Junde)

NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE, BHADRAWATI DIST- CHANDRAPUR

B.SC- YEAR SEM-IV (CBCS)

DEPARTMENT OF CHEMISTRY

UNIT TEST

20 M

TIME 45 MIN

-
- a) Discuss the reduction of nitro benzene under different conditions. 5
- b) Explain stability and preparation of benzene diazonium chloride. 5
- OR**
- c) Explain Hoffman- bromamide reaction. 2½
- d) Give the preparation and uses of picric acid. 2½
- e) Explain amines as phase transfer catalyst. 2½
- f) Discuss coupling reaction. 2½



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**Nilkanthrao Shinde Science and Arts College, Bhadrawati Dist-
Chandrapur
Chemistry Department
Unit Test Marks
B.Sc II Sem IV (2023)**

Sr. No	Name of Students	Marks
1	Durgeshvari Parkhi	11
2	Sakshi Yargude	10
3	Achal Nandurkar	13
4	Vaishnavi Chopkar	10
5	Yamini Marepalli	11
6	Minal Awatade	14
7	Pragati Helwate	11
8	Minakshi Virutkar	12
9	Komal Wandhede	10
10	Neha Labhane	11
11	Sakshi Vaidya	10
12	Dipti Matte	12
13	Shaloni Kumar	11
14	Dhanshree Nagose	16
15	Riya Das	14
16	Prachi Wabhitkar	17
17	Vaishnavi Tanduklar	15

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U.S. H. Shirane



Bhadrawati Shikshan Sanstha, Bhadrawati
NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE
Bhadrawati, Dist. Chandrapur (M.S.)

[Department of Computer Science]

UNIT TEST-I

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

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

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


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Dr. M. H. Gadhvi

Nilkanthrao Shinde Science And Arts College, Bhadrawati

Department of Computer Science

Class: **B.Sc. I Sem.** Unit Test-I Max. Marks: 15

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

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



Dr. M. N. Quadri

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



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Bhadrawati Shikshan Sanstha, Bhadrawati
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Bhadrawati, Dist. Chandrapur (M.S.)
[Department of Computer Science]

UNIT TEST-I

Class : B.Sc. III Sem Paper No & Name: II Object Oriented Programming with C++
Time : 50 min. Date : 24/09/2022 Marks : 15

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

- | | | | |
|-----|--|----|----|
| Q.1 | a) Explain Data types in C++ | OR | 05 |
| | b) What is operator? Explain types of operator | | 05 |
| Q.2 | a) Explain console I/O operator | OR | 05 |
| | b) What is array? Explain types of array | | 05 |
| Q.3 | Write short note on (Any two) | | 05 |
| | i) Character Set | | |
| | ii) Call by reference | | |
| | iii) Enumeration | | |
| | iv) Inline function | | |


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Nilkanthrao Shinde Science And Arts College, Bhadrawati
Department of Computer Science

Class: **B.Sc. III Sem.** Unit Test-I Max. Marks: 15

Paper No. & Name: **II Object Oriented Programming with C++** Date: 24/09/2022

Sr. No.	Name	Marks
1	PRIYA VENKATAYAA KANDE	11
2	DEVYANI PRAVIN GAURKAR	09
3	ARPITA SADANAND GAYKWAD	08
4	SANJANA RAMU HUMANE	06
5	AZIM SHAHID SHEIKH	07
6	KRUTIKA BANDU BHOSKAR	09
7	DIVYA VYANKATESH BOSEWAR	11
8	NITIKA GANPAT CHAUDHARI	07
9	SHRAVANI VIJAY DARVE	06
10	DAVID BABU DASARI	09
11	PHILEMON VENKATESH DASRI	12
12	MANSI SUNIL DURGE	11
13	SHREYA HARIDAS KARKADE	08
14	ANKITA SURYABHAN KARKADE	06
15	SAHIL SUBHASH LANDGE	05
16	ANJALI SUNIL MANDHARE	08
17	SANKET SOMESHWAR MESHARAM	07
18	SANYOG SANJAY MESHARAM	12
19	PRATIK RAJU MESHARAM	11
20	MAYUR VIJAY NAGPURE	13
21	ANKIT ARUN PATHAK	09
22	GUDIYA JALIL KHA PATHAN	12
23	FARHAD RASID PATHAN	09
24	NILOFAR LATIF PATHAN	10
25	RUPESH DHANRAJ RAUT	12
26	SHREYAS PRAMOD RODE	09
27	ACHAL VINOD RUYARKAR	12
28	SANIYA HABIB SHEIKH	10
29	SAKSHI SURESH SWAN	08
30	SONAM DILIP VIDHATE	07
31	YASH SUBHASH WARHADE	06
32	PRANALI KAWDUJI TEKAM	08
33	KHUSHBOO AHMED KHAN PATHAN	07



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N S Science & Arts College Bhadrawati Dist: Chandrapur

Department of physics

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

UNIT TEST - 01

Max. Marks: 10

Date:

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

Dr. A. D. Dahyastur

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N.S. Science and Arts College, Bhadrawati

Dept of physics

Unit - Test - 01

Date: 27/09/2022 Subject - physics paper-I, class: 12B sem-1
Dr. A.B. Dabekar

Sr. No - Name of students - signature

- | | |
|-----------------------------|----------------------|
| 1) Tancaaz Sheikh ✓ | <u>Tancaaz</u> |
| 2) Komal Jangpalle ✓ | <u>Komal</u> |
| 3) Nitu Pisdar ✓ | <u>Nitub</u> |
| 4) Grayatri Sah ✓ | <u>Grayatri</u> |
| 5) Pradnya Khobragade ✓ | <u>Pradnya</u> |
| 6) Vasudha Pendore ✓ | <u>Vasudha</u> |
| 7) Shrawani Raut ✓ | <u>S.A.Raut</u> |
| 8) Namita R. Suroti kar ✓ | <u>NR Suroti kar</u> |
| 9) Madhumita N. Saha ✓ | <u>Madhumita</u> |
| 10) Suhana H. Sheikh ✓ | <u>Suhana</u> |
| 11) Prachi V. Turale ✓ | <u>Prachi</u> |
| 12) Durga K. Pachare ✓ | <u>D.K Pachare</u> |
| 13) Manaswi P. Pendam ✓ | <u>Manaswi</u> |
| 14) Jinat K. Pathan ✓ | <u>Jinat</u> |
| 15) Muskan Sheikh ✓ | <u>Muskan</u> |
| 16) Sahasini Urkade ✓ | <u>Sahasini</u> |
| 17) Janhavi J. Mandavkar ✓ | <u>Janhavi</u> |
| 18) Anushi G. Zumber ✓ | <u>Anushi</u> |
| 19) Divya D. Pimpalkar ✓ | <u>Divya</u> |
| 20) Mansi B. Mathe ✓ | <u>Mansi</u> |
| 21) Bhunika V. Bobade ✓ | <u>Bhunika</u> |
| 22) Namrata P. Langewar ✓ | <u>Namrata</u> |
| 23) Dhanshi M. Khedemate ✓ | <u>Dhanshi</u> |
| 24) Tejaswini R. Ambilkar ✓ | <u>Tejaswini</u> |

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(Muldip V. Bhongale)

Dept. of physics

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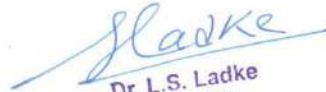
Session- 2022-2023

Class- B.sc-III Year (Sem-VI)

physics Paper-I

Result

Sr. No	Name of Students	Marks
1	Vibha Tated	15
2	Khushi Kharwade	12
3	Dipali Boinwar	8
4	Anushka Jawale	13
5	TejwiniNimje	8
6	Komal Thakur	9
7	Sameer Yadav	12
8	Nikita Jambhulkar	9
9	Arti Kakde	8
10	Priti Yelane	9
11	Pranjali raipure	8
12	Rajeshwari Sundhargiri	8
13	Hitakshi Thengane	11
14	Supriya balpane	10
15	Prajakta Bodhane	7
16	Gitika Durge	8



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Test

Bsc 3rd year

Date : 02/03/2023

1) State the Newton's Law of motion. (3)

2) Obtain Galilean Transform in equations (6)

3) Show that Lorentz transformation form a group. (6)

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Maths
Bsc 3rd yr
Unit test - I

02/03/23

		marks	
①	Pallavi Gowardipe	10	P. Gowardipe
②	Prachi Kakade	11	P.
③	Pranjal Raipure	10	P. A. Raipure
④	Prati Yelane	13	P. Yelane
⑤	Rajyashree Dixit	14	R. Dixit
⑥	Hitesh Bahule	08	H. Bahule
⑦	Pritya Ambilkar	14	P. Ambilkar
⑧	Vibha Tated	15	V. Tated


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BSc 1st year (sem II)

Test math Date: 01/03/2023

(solve any 3) (each 5 marks)

Q1. Test the DE for exactness and solve then if they are exact
 $(x^2 - 4xy - 2y^2) dx + (y^2 - 4xy - 2x^2) dy = 0$

Q2. Show that the D.E
 $(e^{y^2} - \operatorname{cosec} y \cdot \operatorname{cosec}^2 x) dx + (2xye^{y^2} - \operatorname{cosec} y \cdot \cot y \cdot (\cot x) dy = 0$ is exact and solve it

Q3. solve $y' + y = \frac{1}{1 + e^{2x}}$

Q4. solve $(1 + y^2) dx = (\tan^{-1} y - x) dy$

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Maths
Bsc 1st yr

Unit test - I Unit - I marks

10	Bhumnika V. Bobade	10	Shunig
2	Chamrata P. Janjwar	10	Shunig
3	Tejaswini R. Ambilkar	14	Bombilkar
4	Dhenshri R. Khutemate	15	Farkhate
5	Isha B. Kshirsagar	13	Shunig
6	Krutika Welpalwar	10	Shunig
7	Sahasini Urkade	10	Shunig
8	Alfiya Sheikh	08	Shunig
9	Mrunali Sao	08	Shunig
10	Prachi Turale	06	Shunig
11	Khushi Pradhani	14	Shunig
12	Gayatri Sah	13	Shunig
13	Nitu Pisda	15	Shunig
14	Kamal Jangapali	15	Shunig
15	Kalyani Pradhi	10	Shunig
16	Mansi Matte	13	Shunig
17	Divya Pimpalkar	14	Shunig
18	Janhavi J. Mandavkar	12	Shunig
19	Anushri G. Zarniere	12	Shunig
20	Pratam R. Asampalliwar	05	Shunig
21	Gaurav R. Zode	07	Shunig
22	Shivam C. Kule	10	Shunig
23	Suraj T. Jiwkude	09	Shunig
24	Shubham R. Asampalliwar	09	Shunig
25	Piyush B. Jagnade	03	Shunig

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Page No.

Date

निळकुंठराव शिंदे विज्ञान व कला महाविद्यालय भद्रावती

UNIT Test - I

- दि. २१/०९/२०२३

B.A sem IInd.

वेळ : ४५ मिनटे

माकल - २०

प्रश्न -> कुठल्याही एका प्रश्नाचे उत्तर लिहा -

७) रॉबर्ट क्लॉड लुइस बुहेरी शाश्वतपद्धती मुल्यांकन करा.

८) लॉर्ड कॅमब्रिजच्या कार्याधारा पद्धती स्वरूप स्पष्ट करून तिचे गुण दोष लिहा.

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निकंकेशव शिंदे विज्ञान व कुला महाविद्यालय भद्रावती
UNIT Test - I. दिनांक 18/09/2023
B.A Sem I.

Sub: History. - Indian History.

वेळ: 45 minits

Mark - 20.

प्रश्न 1) खालील कुठल्याही दोन प्रश्नांची उत्तरे 16 ते 24.
ओळीत लिहा.

अ) प्राचीन भारतीय इतिहासाच्या लिखित साधनांची माहिती लिहा

ब) हडप्पा शहराच्या नगर रचनेवर निबंध लिहा.

क) भौतिक साधनांची माहिती लिहा.

द) (महास्नानसह) हडप्पा कालीन नगर रचनेचे वैशिष्ट्ये
लिहा.

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निकलेश्वर शिंदे विज्ञान व कला महाविद्यालय अहमदाबाद

UNIT Test I st Result
B.A. Sem I - History.

Sr.	Name of students.	out of 20	signator
①	Pooja V. Tonge	12	P. V. Tonge
②	Gauri R. Pande	12	G. R. Pande
③	Vaishnavi Shastrakar	10	V. Shastrakar
④	Sheha Nannaware	08	S. Nannaware
⑤	Darwe Nikita.	07	D. Nikita
⑥	Pranali Buzadkar	06	P. Buzadkar
⑦	Achal Meshram.	10	A. Meshram
⑧	Pragati Dhabekar	11	P. Dhabekar
⑨	Ukande Bhagyashree	11	B. Ukande
⑩	Donge Samiya.	12	S. B. Donge
⑪	Sarita Dando	13	S. Dando
⑫	Gayatri Khamankar	08	G. Khamankar
⑬	Shrutika Chavke	08	S. Chavke

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Chavke
S. Chavke

निवृत्तेश्वर शिर्डी विज्ञान व कला महाविद्यालय भद्रावती

UNIT Test Ist Result

B.A Sem IIIrd Marathi

Sl. No.	Name of students.	out of 20	Signature
①	Atram Vaishnavi	08	V. Atram
②	Wabhitkar Pramita.	13	P. Wabhitkar
③	Warkar Laxmi	10	Laxmi
④	Manasmare Achal.	12	A. Manasmare
⑤	Badgulwar prashant.	12	P. Badgulwar
⑥	ROY Renu.	13	Roy
⑦	Kamatkar Anushree	12	Anushree
⑧	Kamble Shukrani	13	S. Kamble
⑨	Bawane Kalan.	09	Kalan
⑩	Sweta Nannaware	09	Sw. Nannaware
⑪	Vishakha Warkhede	10	V. Warkhede
⑫	Gawardepe Dnyaneshwari	10	Dnyaneshwari

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मिळकुंडराव शिंदे विज्ञान व उच्च महाविद्यालय, भद्रावती जि. चंद्रपूर

Unit - Test - 1

Marks - 20

B.A.I Sem.I

Subject - Sociology. Introduction to Sociology

- प्र. 1. प्राथमिक समूह व उच्चम समूहातील फरक लिहा. 05
- प्र. 2. समाजशास्त्राचे महत्त्व लिहा. 05
- प्र. 3. कुटुंबाचा अर्थ स्पष्ट करा. 05
- प्र. 4. सामाजिक रूढीचे प्रकार लिहा. 05

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Devamand

प्र. देवामंद लक्ष्मी अकरे

निष्ठेतराव विदे विद्यालय व कला महाविद्यालय, भद्रावती.

Unit. Test - 1 2022

Subject. Sociology. Introduction to Sociology.

BA I. Sem. I

Marks - 20

क्र. सं.	विद्यार्थ्यांचे नाव	प्राप्त अंक	सही.
1.	Puja Vijay Tonge	09	Pooja.
2	Ritika Hanuman Dehane	08	Ritika
3.	Sandhya Raju Rajurkar	12	S. Rajurkar
4	Gauri R. Pande	13	Gauri
5	Naina T. Deurkar	10	Naina
6	Harshav Ritthal Kale	12	H.V. Kale
7	Vaishnavi S. Shasturkar	13	V.S. Shasturkar
8	Sneha Z. Mannawase	12	Sneha
9	Tejaswini N. Wadhai	10	T. Wadhai
10	Nikita U. Dhave	11	N. Dhave
11	Pranali Paraji Busadkar	13	P.D. Busadkar
12	Gayatri V. Marathe	10	G.V. Marathe

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13	Achard	M.	M. Meshram	09	A.M. Meshram
14	Bhagyashri	S.	Ukunde	10	B. Sukande
15	Shrawani	A	Chaudhari	11	S. Chaudhari
16	Saniya	Bandu	Donge	12	S.B. Donge
17	Sarita	Ashok	Danao	13	Sarita
18	Manasi	Raju	Nagale	11	M.P. Nagale
19	Sukhita	Prakash	Chaudhari	12	S.P. Chaudhari
20	Harshala	Yogesh	Shudame	10	H. Shudame

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[Signature]
 प्र. साहित्य विज्ञान शाखा.

**Nilkanthrao Shinde Science and Arts College, Bhadrawati Dist-
Chandrapur**

Notice

All the teachers of college here by inform that they should set question paper of their respective subject as per university question paper pattern for College Preliminary WinterExam-2022 and submit hard copy of question paper to Librarian Prof. Sandeep Pradhan up to 19/11/2022

Date-15/11/2022


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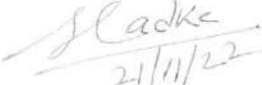
निळकंठराव शिंदे विज्ञान व कला महाविद्यालय, भद्रावती जि. चंद्रपूर

सुचना

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

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


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NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE BHADRAWATI
COLLEGE PRELIMINARY EXAM. Winter- 2022
 (SCIENCE FACULTY)

Date	Time	Name of invigilator	Signature	Room No.
23-11-2022	9.00 - 12.00 AM	Dr. A. B. Dhote	<i>[Signature]</i>	
		Dr. N. S. Wadhawe	<i>[Signature]</i>	
		Dr. A. D. Dahegaokar	<i>[Signature]</i>	
		Dr. G. R. Bedare	<i>[Signature]</i>	
		Dr. P. N. Nasare	<i>[Signature]</i>	
		Dr. M.N.Quadri	<i>[Signature]</i>	
		Prof. S. Shrirame	<i>[Signature]</i>	
		Prof. Bhongale	<i>[Signature]</i>	
		Dr. K. P. Jumde	<i>[Signature]</i>	
		Ms.mr. Nayan Sarkar	<i>[Signature]</i>	
		Ms Syma Madam	<i>[Signature]</i>	
		Akanksha Awari	A. S. AWARI	
		Mr. Sanjay Shreerame		
		Ms Surse Madam	<i>[Signature]</i>	
		Dr. N. V. Harney	<i>[Signature]</i>	
		Mr. Amit Pawar	<i>[Signature]</i>	
Ms. Aditi sarkar	<i>[Signature]</i>			
Ms. P. K. Chincholkar	<i>[Signature]</i>			
24-11-2022	9.00 - 12.00 AM	Dr. A. B. Dhote	<i>[Signature]</i>	
		Dr. N. S. Wadhawe	<i>[Signature]</i>	
		Dr. A. D. Dahegaokar	<i>[Signature]</i>	
		Dr. G. R. Bedare	<i>[Signature]</i>	
		Dr. P. N. Nasare	<i>[Signature]</i>	
		Dr. M.N.Quadri	<i>[Signature]</i>	
		Prof. S. Shrirame	<i>[Signature]</i>	
		Prof. Bhongale	<i>[Signature]</i>	
		Dr. K. P. Jumde	<i>[Signature]</i>	
		Ms.mr. Nayan Sarkar	<i>[Signature]</i>	
		Ms Syma Madam	<i>[Signature]</i>	
		Mr. Sanjay Shreerame		
		Ms. Surse Madam	<i>[Signature]</i>	
		Dr. N. V. harney	<i>[Signature]</i>	
		Mr. Amit Pawar	<i>[Signature]</i>	
		Ms. Aditi sarkar	<i>[Signature]</i>	
25-11-2022	9.00 - 12.00 AM	Dr. A. B. Dhote	<i>[Signature]</i>	
		Dr. N. S. Wadhawe	<i>[Signature]</i>	
		Dr. A. D. Dahegaokar	<i>[Signature]</i>	
		Dr. G. R. Bedare	<i>[Signature]</i>	
		Dr. P. N. Nasare	<i>[Signature]</i>	
		Dr. M.N.Quadri	<i>[Signature]</i>	
		Prof. S. Shrirame	<i>[Signature]</i>	
		Prof. Bhongale	<i>[Signature]</i>	
		Dr. K. P. Jumde	<i>[Signature]</i>	
		Ms.mr. Nayan Sarkar	<i>[Signature]</i>	
		Ms Syma Madam	<i>[Signature]</i>	
		Mr. Sanjay Shreerame		
		Mr Surse Madam	<i>[Signature]</i>	
		Ms. Aditi sarkar	<i>[Signature]</i>	

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 Mr. R. S. ...
 ... W-2022

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

Date	Time	Name of invigilator	Signature	Room No.
26-11-2022	9.00 - 12.00 AM	Dr. N. V. Harney		
		Mr. Amit Pawar		
		Dr. A. B. Dhote		
		Dr. N. S. Wadhve		
		Dr. A. D. Dahegaokar		
		Dr. G. R. Bedare		
		Dr. P. N. Nasare		
		Dr. M.N.Quadri		
		Prof. S. Shrirame		
		Prof. Bhongale		
		Dr. K. P. Jumde		
		Ms.mr. Nayan Sarkar		
		Ms Syma Madam		
		Mr. Sanjay Shreekrant		
		Ms. Surse Madam		
Dr. N. V. harney				
Mr. Amit Pawar				
Ms. Aditi sarkar				
Ms. Shashi Goud				
27-11-2022	9.00 - 12.00 AM	Dr. A. B. Dhote		
		Dr. N. S. Wadhve		
		Dr. A. D. Dahegaokar		
		Dr. G. R. Bedare		
		Dr. P. N. Nasare		
		Dr. M. N. Quadri		
		Prof. S. Shrirame		
		Prof. Bhongale		
		Dr. K. P. Jumde		
		mr. Nayan Sarkar		
		Ms Syma Madam		
		Mr. Sanjay Shreekrant		
		Mr Surse Madam		
		Dr. N. V. harney		
		Mr. Amit Pawar		
Ms. Aditi sarkar				
28-11-2022	9.00 - 12.00 AM	Dr. A. B. Dhote		
		Dr. N. S. Wadhve		
		Dr. A. D. Dahegaokar		
		Dr. G. R. Bedare		
		Dr. P. N. Nasare		
		Dr. M. N. Quadri		
		Prof. S. Shrirame		
		Prof. Bhongale		
		Dr. K. P. Jumde		
		Mr. Nayan Sarkar		
		Ms Syma Madam		
		Mr. Sanjay Shreekrant		
		Ms. Surse Madam		
		Dr. N. V. harney		
		Ms. Aditi sarkar		
Mr. Abhinav K. Patil				

Dr. L.S. Ladke
P. E. - 10-2022

Dr. L.S. Ladke
PRINCIPAL
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Date	Time	Name of invigilator	Signature	Room No.
29-11-2022	9.00 - 12.00 AM	Prof Shrirame	<i>[Signature]</i>	
		Prof. Bhongale	<i>[Signature]</i>	
	12.00 - 3.00 AM	Dr. K. P. Jumde	<i>[Signature]</i>	
		Mr. Nayan Sarkar	<i>[Signature]</i>	
		Mr. Amit Pawar	<i>[Signature]</i>	
		Mr. Abhraj K. Patil	<i>[Signature]</i>	
30-11-2022	9.00 - 12.00 AM	Prof. Shrirame	<i>[Signature]</i>	
		Prof. Bhongale	<i>[Signature]</i>	
	12.00 - 3.00 AM	Dr. K. P. Jumde	<i>[Signature]</i>	
		Mr. Nayan Sarkar	<i>[Signature]</i>	
		Mr. Amit Pawar	<i>[Signature]</i>	
		Ms Shubhi Goud	<i>[Signature]</i>	

- G
 Dr. A. S. Kogre
 Prelim. Exam
 W-2022

[Signature]
 Dr. L.S. Ladke
 PRINCIPAL
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NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE BHADRAWATI
COLLEGE PRELIMINARY EXAM. Winter-2022
 (ARTS FACULTY)

Date	Time	Name of invigilator	Signature	Room No.
23-11-2022	12.00 - 3.00 AM	Prof. Shon Tangde		
		Prof. D.L.Bhaware		
		Dr. K.D.Shahare		
		Kiran Gaurkar		
		John Madam		
24-11-2022	12.00 - 3.00 AM	Prof. Shon Tangde		
		Prof. D.L.Bhaware		
		Dr. K.D.Shahare		
		Kiran Gaurkar		
		John Madam		
25-11-2022	12.00 - 3.00 AM	Prof. Shon Tangde		
		Prof. D.L.Bhaware		
		Dr. K.D.Shahare		
		Kiran Gaurkar		
		John Madam		
26-11-2022	12.00 - 3.00 AM	Prof. Shon Tangde		
		Dr. K. D. Shahare		
		Prof. D.L.Bhaware		
		Kiran Gaurkar		
		John madam		
28-11-2022	12.00 - 3.00 AM	Prof. Shon Tangde		
		Kiran Gaurkar		
		Dr. K.D.Shahare		
		Prof. D. L. Bhaware		
		John madam		

Dr. R. S. Kapse
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NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE BHADRAWATI
DIST. CHANDRAPUR
COLLEGE PRELIMINARY EXAM. Winter – 2022
SEATING ARRANGEMENT
(SCIENCE FACULTY)

24-11-2022 Time 9.00-12.00 A.M.

DATE	SEM	SUBJECT	ROOM NO.	ROLL NO.	TOTAL
24-11-2022	SEM - I	CHEM. – II	39	101-128	40
				178-189	
			38	190-219	30
			37	220-230	11
		COMP.SCI-II	37	129-147	19
			42	148-167	20
	46		168-177	10	
	SEM - III	MATH-II	46	301-310	10
			50	311-332	22
			51	333-354	22
			52	355-357&360	4
		BOTANY-II	52	361-375	15
			53	376-399	23
			54	400-401	02
	SEM - V	PHYSICS-II	54	501-518	18
			39	519-558	40
38			559-562	04	
ZOOLOGY-II		38	563-588	26	
		37	589-618	30	
		46	619-632	14	

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 Chief Supervisor
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 Winter-2022

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NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE BHADRAWATI
DIST. CHANDRAPUR
COLLEGE PRELIMINARY EXAM. WINTER – 2022
SEATING ARRANGEMENT
(ARTS FACULTY)

24-11-2022 Time 12.00- 3.00 P.M.

Date	SEM	SUBJECT	ROOM NO.	ROLL NO.	TOTAL
24-11-2022	SEM - I	English	50	701-725	22
			51	726-749	22
			52	750-769	18
	SEM - III	Geography	53	801-824	23
			54	825-830	06
	SEM - V	Sociology	54	901-902	02

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Chief supervisor
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winter - 2022

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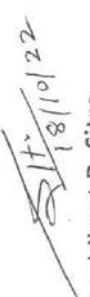
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**NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE BHADRAWATI
COLLEGE PRELIMINARY EXAMINATION WINTER - 2022**

TIME TABLE - SCIENCE FACULTY

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


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Dr. Shashikant R. Sitre
Joint Chief Supervisor
College Preliminary Examination
Nilkanthrao Shinde Science and Arts College,
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NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE BHADRAWATI
COLLEGE PRELIMINARY EXAMINATION WINTER -2022

TIME TABLE - ARTS FACULTY

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


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


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NilkanthraoShinde Science And Arts College, Bhadrawati

College Preliminary Exam Winter-2022

Result

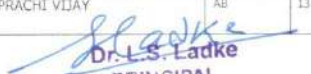
Bsc Sem-I

Course Name :B.SC - SEM-I										
Subject Name : CHEMISTRY, MATHS, PHYSICS										
SR. No.	Roll. No.	Name of Students	Mar/Sup. Eng	Comp. Eng	Chem-I	Chem-II	Math-I	Math-II	Phy-I	Phy-II
1		AMBILKARTEJASWINI RAJU	34	12	25	32	28	34	24	22
2		ASAMPALLIWAR PRITAM RAJU	05	15	12	19	30	22	26	23
3		ASAMPALLIWAR SHUBHAM RAJU	41	08	16	31	24	39	26	31
4		ASUTKAR KISHORI SHALIK	18	12	05	00	18	00	18	15
5		ATRAM ASHISH VINOD	AB	AB	AB	AB	17	AB	AB	AB
6		BHONG SUMIT SUNIL	AB	AB	00	00	AB	AB	AB	AB
7		DADMAL SNEHA BHASKAR	SE-AB	AB	01	03	AB	AB	AB	AB
8		JANGAPALLI KOMAL VENKATESH	SE-29	15	23	44	80	46	34	35
9		JIWTODE SURAJ TATOBA	36	12	05	10	00	06	05	04
10		KALE SHIVAM CHANDRABHAN	26	10	00	AB	AB	AB	03	09
11		KAWADE PRASHIK SANJAY	03	11	00	AB	18	AB	00	AB
12		KHOBRAGADE PRADNYA UTTAM	27	12	05	01	18	01	01	10
13		KUCHEKAR BHUMIKA SANTOSH	12	AB	AB	AB	AB	AB	AB	AB
14		MANDAVKAR JANHAVI JANKIRAM	AB	13	01	03	00	00	01	05
15		PATIL SALONI BANDU	AB	AB	00	03	AB	AB	01	08
16		PENDOR VASUDHA GAJANAN	25	11	09	04	00	15	03	12
17		PISDA NITU URAM	AB	10	09	14	12	18	04	06
18		PRADHAN KHUSHI MANBAHADUR	SE-27	32	09	05	19	AB	01	10
19		RAMTEKE NANDINI VIJAY	18	13	02	01	00	00	00	00
20		SAH GAYATRI UMESH	SE-29	41	07	21	07	16	14	19
21		SHEIKH ARISH SABIR	08	AB	00	AB	AB	AB	00	01
22		THETE PRIYANKA RAJU	AB	AB	07	05	AB	AB	AB	AB
23		UGE MILIND ARUN	22	10	01	10	06	00	04	05
24		WANKHEDE SURAJ GUNVANTRAO	AB	AB	AB	AB	AB	AB	AB	AB
25		ZADE RITESH UMAKANT	00	AB	00	00	AB	AB	00	02
26		ZODE GAURAV RAJU	14	12	00	02	00	00	01	03
27		ZURMURE ANUSHRI GANESH	AB	AB	06	34	27	AB	20	23

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Course Name : B.SC - SEM-I										
Subject Name : COMPUTER SCIENCE, MATHS, PHYSICS										
SR. No.	Roll. No.	Name of Students	Mar/Sup. Eng	Comp. Eng	Com-I	Com-II	Math-I	Math-II	Phy-I	Phy-II
1		ALLIWAR ABHIJEET SHARDUL	AB	00	01	05	08	02	08	05
2		BOBADE BHUMIK AVIJAY	20	10	31	43	18	AB	03	11
3		BOINI SOMAN SWAMI	SE-AB	13	26	13	06	06	01	01
4		DONGARE NITU PARSHURAM	10	08	28	16	28	24	01	19
5		DUPARE TANUSH ANMOL	13	11	23	27	12	00	05	03
6		GOURKAR SAKSHI SHANKAR	31	10	45	34	43	22	22	14
7		HUMANE MANSI RAMU	03	14	03	01	00	00	00	00
8		JAGNADE PIYUSH BANDU	30	08	36	18	AB	07	07	04
9		JAMDADE SANKET SURESH	22	AB	31	36	02	02	07	10
10		KANDE BHASKAR VENKATAYYA	SE-AB	AB	AB	AB	AB	AB	AB	AB
11		KHUTEMATE DHANSHRI MAHESH	37	11	35	37	24	29	17	05
12		KSHIRSAGAR ISHA BALKRUSHNA	27	08	43	37	34	32	16	15
13		LANJEWAR NAMRATA PRALHAD	SE-31	AB	48	47	52	42	32	25
14		MALEKAR MANJIL SATISH	19	12	34	26	20	11	09	17
15		MATTE MANSI BABAN	36	12	27	43	11	27	02	05
16		MENGARE SAKSHI PRABHAKAR	AB	AB	15	27	00	AB	01	04
17		MIDDHODDI ABHINAV KUMARSWAMI	SE-AB	AB	20	20	AB	AB	00	AB
18		MODAK KUNAL RUPESH	19	14	26	21	06	02	01	05
19		NAGPURE SHUBHAM RAJESH	AB	AB	30	32	08	09	01	21
20		NEHARE ROHIT RAMDAS	AB	39	30	41	12	11	07	16
21		PACHARE DURGA KISHOR	AB	12	16	19	AB	11	02	AB
22		PARDHI KALYANI MADHUKAR	48	13	28	28	12	08	03	06
23		PATHAN JINAT LATIFKHA	13	10	27	40	18	23	01	10
24		PENDAM MANASWI PRATAP	25	AB	11	28	AB	09	00	03
25		PIMPALKAR DIVYA DHANRAJ	50	11	43	49	30	19	22	18
26		PRASAD HARSH KISHOR	AB	AB	AB	24	AB	AB	02	AB
27		RAUT SHRRAWANI ANIL	03	AB	21	27	00	03	01	01
28		SAO MRUNALI AJAY	AB	AB	18	25	08	12	05	07
29		SHEIKH ALFIYA ASLAM	13	10	15	16	12	AB	04	AB
30		SHEIKH ARBAJ SHAFI	13	08	16	22	12	16	02	09
31		SHEIKH MUSKAN JAKIR	09	10	18	27	06	19	02	10
32		SHEIKH SUHANA HANIF	AB	AB	AB	AB	AB	AB	AB	AB
33		SHEIKH TANAAZ SHAHID	09	AB	26	32	00	07	12	10
34		SURTIKAR NOMITA RAGHUNATH	06	11	14	05	00	07	12	11
35		TURALE PRACHI VIJAY	AB	13	07	26	AB	07	09	06


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Sr.No	Roll. No.	Name of Students	Mar/Sup. Eng	Comp. Eng	Com-I	Com-II	Math-I	Math-II	Phy-I	Phy-II
36		CHAUDHARI RIYA VITTHAL	25	12	20	31	18	AB	00	02
37		DHALE MANISH RAJU	AB	AB	AB	AB	AB	AB	AB	AB
38		JUNGHARE RUSHALI SANJAY	07	11	31	16	00	AB	00	04
39		KANDE CHANDANI VENKATAIYYA	SE-AB	AB	AB	AB	AB	AB	AB	Ab
40		KHADSE KARYASH MAHENDRA	AB	AB	AB	AB	AB	AB	AB	AB
41		KUCHANKAR SHRUTI DEVIDAS	12	11	23	24	00	AB	01	01
42		MATTE PRAJWAL SUKHDEO	AB	11	29	21	14	08	00	04
43		SAHA MADHUMITA NITAICHANDRA	SE-06	12	23	25	12	07	01	10
44		TAMADA YUVA SHYAM SUNDAR RAO	SE-AB	AB	10	14	AB	AB	01	AB
45		URKUDE SUHASINI SURESH	AB	AB	05	AB	AB	AB	AB	AB
46		WELPULWAR KRUTIKA PRAKASH	AB	09	11	25	00	08	12	08

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Course Name : B.SC - SEM-I										
Subject Name : BOTANY, CHEMISTRY, ZOOLOGY										
Sr. No.	Roll. No.	Name of Students	Mar/Sup. Eng.	Comp. Eng.	Chem-I	Chem-II	Bot-I	Bot-II	Zool-I	Zool-II
1		ADE PAYAL HIRALAL	06	07	00	04	13	02	06	01
2		AGBATTANWAR PRANAY SHRIKANT	23	01	00	04	04	00	20	06
3		AGLAW PRIYANSHU PRAVIN	08	11	01	06	07	01	30	21
4		BALKI SANJANA NILKANTH	AB	07	07	27	27	07	29	20
5		BALKI SNEHAL SANTOSH	09	12	05	09	08	12	28	15
6		BANIK ARPIT DEEPAK	SE-07	10	00	01	00	00	21	03
7		BAWANE SONALI KHUSHAL	SE-AB	AB	AB	AB	AB	AB	AB	AB
8		CHOUHARY ANAMIKA LAKSHMAN	SE-19	11	22	38	45	16	26	21
9		DHIRDE ASHWINI DNYANESHWAR	10	12	00	00	00	07	11	12
10		DONGE ASMITA BANDU	07	09	00	02	09	12	27	10
11		DOYE MANSI ANIL	03	11	00	07	6	07	17	09
12		GANJANRE SAMIKSHA NARAYAN	AB	12	05	01	AB	05	04	01
13		HAMDAPURE SANSKRUTI SURESH	02	10	20	14	08	10	16	04
14		KALE MAHESHWARI SUNIL	41	11	20	40	40	21	31	20
15		KARLEKAR VISHVARUPA VINOD	49	14	03	14	25	30	23	08
16		KUMARE TANU LATTARI	19	10	01	07	11	04	09	03
17		KUNDOJWAR VAISHNAVI ANIL	21	12	01	00	AB	01	02	00
18		LANDGE SANJANA VINOD	SE-AB	AB	01	AB	AB	AB	AB	AB
19		MESHAM SAMRUDDHI SHAIENDRA	20	10	02	03	23	08	11	AB
20		NAVGHARE PRANALI BANDU	34	08	00	04	05	06	21	13
21		NIKHAD AKANKSHA VILAS	18	11	00	07	03	05	29	05
22		NIKHAD ASTHA SARJU	AB	AB	AB	AB	AB	AB	AB	AB
23		NIKHAD RAGINI NANAJI	00	11	02	16	37	04	03	10
24		PAWAR PRAJWAL DHONDIBA	15	10	AB	AB	05	AB	01	03
25		PAWAR PRATIKSHA DHONDIBA	32	12	AB	04	06	05	04	03
26		PULLARWAR ANUSHKA AJAY	16	09	05	05	AB	AB	09	03
27		RAUT VANSH ANAND	01	11	00	07	08	04	00	AB
28		ROHANKAR SHRAWANI PANDURANG	AB	AB	AB	AB	AB	AB	AB	AB
29		SALVE TANVI BABAN	18	12	00	02	16	06	12	03
30		SEN ABHIJIT ARUNKUMAR	SE-11	15	00	02	18	03	05	02
31		SHETE HEMANGI HEMANT	05	12	06	16	29	04	11	08
32		TEJAWAT ARATI-GHOLU	35	AB	01	15	09	03	08	01
33		TONGE SAHIL AVINASH	20	10	03	16	11	AB	16	08
34		TUNGAPINDI PRANALI NAGRAJ	17	06	00	04	AB	02	04	AB
35		UIKE MADHURI BHAGWAN	AB	AB	00	AB	AB	AB	AB	AB
36		WAVARKAR KHUSHI SANJAY	02	11	01	04	05	07	04	02
37		YERGUDE MAHESH SANJAY	AB	AB	00	AB	AB	AB	AB	AB
38		MANDHARE TEJAS JAGDISH	SE-03	09	00	03	AB	00	05	


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Course Name : B.SC - SEM-I										
Subject Name : CHEMISTRY, MICRO-BIOLOGY, ZOOLOGY										
Sr. No.	Roll. No.	Name of Students	Mar/Sup. Eng	Comp. Eng	Chem-I	Chem-II	Micro-I	Micro-II	Zool-I	Zool-II
1		BAGLE TRUPTI GAJANAN	SE14	10	18	26	31	18	19	34
2		BISWAS PRANJALI JITENDRA	SE-AB	25	13	30	24	AB	11	35
3		CHACHANE SHREJAL RAVINDRA	34	11	AB	02	01	02	01	12
4		DAIVALKARANUSHKAYASHVANT	07	11	AB	AB	00	05	00	01
5		GIRI YASH DILIP	00	12	03	02	01	07	04	02
6		KUREKAR PRATIKSHA MAHADEORAO	48	13	03	02	16	29	19	30
7		MESHARAM THOMAS ARJUN	16	11	02	02	24	18	21	35
8		NIPUNGE SNEHAL GAJANAN	24	09	AB	03	16	04	04	11
9		PATIL TANVI VIJAY	SE-21	27	12	10	20	24	04	17
10		PIDURKAR PRANJALI HANUMAN	33	06	14	16	25	20	03	22
11		RAM ARCHANA RAGHUNATH	SE-AB	AB	AB	AB	AB	AB	AB	AB
12		RAUT ACHAL VISHWANATH	17	11	AB	AB	07	09	AB	12
13		SONTAKKE ABHIJIT WAMANRAO	18	00	AB	00	00	03	00	04
14		ZADE DIVYA VILAS	46	12	14	06	05	07	01	10

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B. A. Sem-I

Course Name : B.A. - SEM-I								
Subject Name : ENGLISH, GEOGRAPHY, HISTORY, MARATHI, SOCIOLOGY								
Sr. NO.	Roll No.	Name of Students	English	MARATHI	History	Sociology	Geography	Result
1		ATRAM VAISHNAVI DEVIDAS	06	08	04	AB	08	Pass
2		BADGUWAR PRASHANT ODESH	06	26	AB	AB	13	Pass
3		BAWANE ANKITA BHARAT	16	04	04	16	10	Pass
4		BODHE RITIK KAWDU	05	04	04	24	10	Pass
5		CHUDARI DIKSHA DILIP	12	18	12	28	11	Pass
6		DHOBE VAISHNAVI ASHOK	AB	AB	AB	AB	10	Pass
7		EKUDE SNEHA DHANRAJ	AB	05	08	16	10	Pass
8		GAURKAR CHETANA SUKHADEV	07	10	08	20	09	Pass
9		GHAGI KARAN VDIJAY	00	00	04	13	04	Pass
10		GOWARDIPE DNYANESHWARI SUNIL	06	16	09	29	12	Pass
11		HANDE SHIVANI SUNIL	09	15	04	33	04	Pass
12		JAMBHULE ALISHA CHANDRASHEKHAR	00	11	04	30	04	Pass
13		JIVTODE ACHAL SUBHASH	00	12	08	23	07	Pass
14		KULMETHE PRAMOD ANIL	08	14	19	20	10	Pass
15		KUTTARMARE MAHESH LAXMAN	22	18	18	20	05	Pass
16		MANUSMARE ACHAL UTTAM	09	16	08	34	12	Pass
17		NANNAWARE AKASH BABAN	12	11	13	24	06	Pass
18		NANNAWARE SHWETA MANOHAR	06	19	10	19	05	Pass
19		NIMGADE RANI VILAS	07	17	18	43	08	Pass
20		PAKMODE VAISHNAVI MORESHWAR	07	14	10	25	07	Pass
21		PARCHAKE PRATIBHA DILIP	05	08	04	AB	04	Pass
22		POINKAR NIKITA KISHOR	04	07	16	23	06	Pass
23		POYAM PANKAJ SUNIL	AB	05	12	20	15	Pass
24		RAIPURE PAYAL BALU	02	03	17	20	11	Pass
25		RAMTEKE VIKASH PRAKASH	02	04	12	17	04	Pass
26		ROY RENU RANJIT	18	03	15	24	13	Pass
27		SALAM GODARU YADAV	04	01	14	19	12	Pass
28		SHERKI ASHITOSH DILIP	AB	11	22	32	12	Pass
29		SONARKHAN RUTVIK MANOJ	07	02	25	20	10	Pass
30		WABHITKAR PRANITA DADAJI	06	30	28	54	11	Pass
31		WANKHEDE ADITYA MAHENDRA	04	07	17	21	04	Pass
32		WANKHEDE PRANAYARUN	04	02	07	14	05	Pass
33		WARKHADE VISHAKHA VASANTA	07	15	22	35	18	Pass
34		WATKAR LAXMI ANIL	29	33	19	25	13	Pass
35		ZADE KARAN ANANDRAO	00	02	16	AB	04	Pass

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Nilkanthrao Shinde Science and Arts College, Bhadrawati

College Preliminary Exam Winter-2022

BA SEM-III

Result

Sr. No.	Roll No.	Name of Students	English	MARATHI	History	Sociology	Geography	Result
1		ASUTKAR MAYUR ANIL	AB	AB	22	AB	09	Pass
2		ATRAM RAMESH PRAKASH	AB	AB	24	AB	15	Pass
3		AWARI GANESH GAJANAN	15	03	15	19	04	Pass
4		BALKI VAISHALI PURUSHOTTAM	12	10	20	28	10	Pass
5		BATTALWAR SHANKAR RAVI	18	15	22	26	14	Pass
6		BORKUTE PRATHAM KAILASH	14	14	43	27	17	Pass
7		DANAO PORNIMA NATTHU	15	07	20	19	11	Pass
8		DESHMUKH RUPESH BHASKAR	24	03	20	AB	04	Pass
9		FALE NIKHIL EKANATH	18	11	18	34	04	Pass
10		GEDAM SAKSHI PUNDALIK	20	09	18	21	05	Pass
11		GOWARDIPE KARISHMA SANJAY	13	09	06	25	04	Pass
12		IKHARE MANGESH YADAV	AB	AB	AB	AB	AB	Pass
13		JAMBHULE PRANITA PANDURANG	AB	AB	AB	AB	AB	Pass
14		KADAM VISHAL MADHUKAR	12	05	14	22	04	Pass
15		KALASKAR RAJAT ANANDRAO	13	12	28	26	07	Pass
16		KAMATKAR RAKESH SHANKAR	16	05	20	11	04	Pass
17		KAMATWAR YASH RAMA	12	07	18	13	02	Pass
18		KOLTE DHANANJAY ANIL	AB	AB	24	AB	AB	Pass
19		KULDIP NIKHIL MUNNILAL	AB	AB	AB	AB	AB	Pass
20		MARASKOLHE KUNAL SUBHASH	14	06	12	13	03	Pass
21		MESHAM YOGITA NARAYAN	17	08	14	34	07	Pass
22		NAKSHINE DUSHALA RAMKRUSHNA	12	09	AB	35	05	Pass
23		NANNAWARE TUSHAR TULSHIDAS	AB	AB	AB	AB	AB	Pass
24		PIDURKAR YOGESHRI BHARAJ	12	18	42	35	12	Pass
25		PIDDURKAR KRUNAL SHRIRAM	13	17	20	25	07	Pass
26		RAUTARTI DAMODHAR	11	18	36	32	12	Pass
27		ROY NEHA RANJIT	12	18	12	24	04	Pass
28		SONWANE ROSHAN PANDURANG	13	10	24	AB	AB	Pass
29		ZADE PRAGATI VASANTA	14	06	06	11	05	Pass


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36	ASUTKAR PANKAJ SHRIRANG	00	00	11	06	06	Full
37	ATRAM MADHURI SANTOSH	06	07	04	10	08	Full
38	BADKI GAURAV RAMDAS	AB	AB	AB	AB	AB	Full
39	BANDURKAR BHAVIK SUKHADEO	00	07	08	17	08	Full
40	BAWANE KARAN KACHARU	AB	00	08	14	11	Full
41	BAWANE SAKSHI ANIL	25	02	08	22	09	Full
42	BHUSARI SURAJ BANDU	AB	AB	AB	AB	AB	Full
43	BHUSEWAR NIKHIL RAKESH	AB	12	04	AB	10	Full
44	BODHALE DISHA VITTHAL	07	04	04	18	08	Full
45	DODHALE KOMAL PANDURANG	07	09	15	28	10	Full
46	CHAUKHE ASHISH BRAMHANAND	06	01	14	12	08	Full
47	CHINCHOLKAR SANJAY NANAJI	11	08	04	10	09	Full
48	CHOUDHARI HEMANT RUSHI	10	05	04	10	06	Full
49	DEOGADE PRIYAGOKUL	06	AB	AB	AB	05	Full
50	DHOKE PRANAYOGESH	04	01	04	AB	05	Full
51	KAKDE HARSHAL MAHADEO	AB	AB	AB	AB	10	Full
52	KAMATKAR ANUSHRI ADHIK	06	16	12	24	10	Full
53	KAMBLE SHUKRARANI DILIP	18	21	06	28	10	Full
54	KASARE SAHIL DHANRAJ	AB	AB	AB	AB	AB	Full
55	KHANGAR PRATIK HONAJI	02	06	13	15	08	Full
56	MATTE PUSHPAHAS VINOD	AB	05	10	20	08	Full
57	MESHARAM PAYAL UTTAMRAO	19	16	18	41	16	Full
58	MOHITKAR SANKET BANDU	03	03	14	14	05	Full
59	PACHARE SAHIL SUDHAKAR	AB	AB	AB	AB	AB	Full
60	POINKAR PRAJWAL SUBHASH	04	04	18	14	03	Full
61	POTE GAYATRI RAJU	04	06	06	17	09	Full
62	SHEIKH SIMRAN RAFIK	04	18	07	25	13	Full
63	UIKE KUNDA RAGHUNATH	05	09	16	18	13	Full

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BA Sem-V

Course Name : B.A. - SEM-V									
Subject Name ENGLISH, GEOGRAPHY, HISTORY, MARATHI, SOCIOLOGY									
1	Roll No.	Name of Students	English	MARATHI	History	Sociology	Geography	Result	
		KARKADE ADARSH HARIDAS	AB	AB	AB	AB	AB	AB	

Course Name : B.A. - SEM-V									
Subject Name ENGLISH, GEOGRAPHY, HISTORY, MARATHI, MARATHI LITERATURE									
1	Roll No.	Name of Students	English	MARATHI	History	Sociology	Geography	Result	
		BANDURKARSONALI KUSHAB	AB	AB	AB	AB	AB	AB	

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

Paper II- Physiology and Biochemistry -I

Time : 3 Hours)

(Max.Marks : 50

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

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

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28.11.22

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BSSB

Nilkanthrao Shinde Science and Arts College,
Bhadrawati Dist. Chandrapur
Preliminary Exam- Winter 2022

Subject: **Computer Science** Class: **B.Sc. Sem-V** Marks: **50**
Time: **3 hrs** Paper No.: **-II** Paper Name: **Database Programming with Oracle**

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

1. Either. 5
a) Explain Data types in oracle. 5
b) Explain SQL tools in detail.
OR
c) Explain the procedure for starting SQL 5
d) Explain the components of SQL? 5
2. Either. 5
a) Explain create table command in detail. 5
b) Explain Alter Table command in detail.
OR
c) Explain any two constraints used in oracle. 5
d) Explain the purpose of the SELECT command with syntax. 5
3. Either. 5
a) Explain any five character functions. 5
b) Explain case manipulation functions
OR
c) Explain any five numeric functions 5
d) Explain any five date functions 5
4. Either. 5
a) Explain structure of PL/SQL block? 5
b) Explain the data type used in PL/SQL.
OR
c) Write a note on Select, Into Statement. 5
d) Explain Exception Handling in detail
5
5. Solve all the question. 2½
a) Write a note on RDBMS 2½
b) Write a note DROP TABLE? 2½
c) Write a note MIN() & MAX() 2½
d) Explain Cursor? 2½

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NILKANTHRAO SHINDE SCIENCE & ARTS COLLEGE, BHADRAWATI
COLLEGE PRELIMINARY EXAMINATION WINTER- 2022

B.Sc. III Semester - V

Sub : Chemistry Paper-II (Physical Chemistry)

Time : Three Hours

Max Marks : 50

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

1. a) Explain : i) Relaxation Effect ii) Electrophoretic affect 5
b) State Kohlrausch's law and Give its applications. 5

OR

- c) What are the effect of dilution on equivalent conductance and 2½
molar conductance of a solution.
d) What are the postulates of arrhenius theory of electrolytic dissociation. 2½
e) Explain Debye, Huckel and Onsagar equation. 2½
f) The specific conductance of an N/50 solution of KCl at 25°C is 0.002765 mho. 2½
If a resistance of a cell containing this solution is 400 ohm, what is cell constant?
2. a) What are galvanic cells? Derive the relation between emf of a cell and 5
change in enthalpy of a reaction. Write the cell reaction of following cell.
 $Zn_{(s)} | Zn^{2+}_{(aq)} || H^+ | H_{2(g)} | Pt$

- b) What are reference electrode? Give construction and working of standard 5
hydrogen gas electrode.

OR

- c) Define transport number? What are the factors affecting transport no. 2½
of ions.
d) Explain reversible and irreversible cells. 2½
e) Explain Faraday's first law and second law of electrolysis. 2½
f) Explain Hittorf's method for determination of transport number. 2½
3. a) What are concentration cells? Derive an expression for emf of 5
concentration cell with transfer.
b) Derive the expression for determination of pH of solution by using 5
Calomel electrode and Quinhydrone electrode.

OR


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- c) What is liquid junction potential ? How is it eliminated. 2½
- d) Hydrogen electrode was combined with saturated calomel electrode and the emf of the combination was 0.6734 V at 25°C. What is pH of the solution, if oxidation potential of saturated calomel electrode is -0.346 V. 2½
- e) What is salt bridge? How it is constructed. Give its applications. 2½
- f) Explain how Redox titration and Precipitation titration carried out potentiometrically. Give any two advantages. 2½
4. a) Derive an expression for energy of a particle in one dimensional box. What is zero point energy? 5
- b) Explain ; i) Photoelectric effect ii) Heisenberg's uncertainty principle. 5
- OR
- c) State the postulates of quantum mechanics. 2½
- d) Explain the terms : i) Eigen values and eigenfunctions 2½
ii) Orthogonality.
- e) Derive de-Broglie relation. 2½
- f) The uncertainty in the momentum of a particle is $3.3 \times 10^{-2} \text{ kgms}^{-1}$. Calculate uncertainty in its position. ($h = 6.626 \times 10^{-34} \text{ Js}$). 2½
5. Attempt **Any Ten** 10
- a) What is meant by Strong Electrolyte and Weak electrolyte.
- b) Define Cell constant and Specific conductance.
- c) Write any two advantages of Conductometric titration.
- d) Draw the diagram for moving boundary method for transport no.
- e) What are metal-metal ion electrodes.
- f) Define emf of cell and migration of ions.
- g) Write Nernst equation for determination of emf of cell.
- h) What is standard electrode potential ?
- i) What is an operator ?
- j) Write two drawbacks of Bohr's Model.
- k) Define degree of dissociation and write its formula.
- l) What is meant by enthalpy and entropy of reaction.

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Nilkanthrao Shinde Science & Arts College Bhadrawati Dist.Chandrapur

Preliminary examination summer- 2022

Subject: Mathematics Paper – II **Class: BSc I (CBCS)Semi**

(Differential Calculus&Trigonometry)

Time: 3hours

Max. Marks. 60

Notes : 1. Solve all five questions.

2. All questions carry equal marks.

UNIT - I

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

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

OR

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

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

UNIT - II

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

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

OR

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

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

UNIT - III

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

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

OR

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

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

UNIT - IV

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

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

OR

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

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

5. Solve any six.

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

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

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


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

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

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

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

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


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N. S. Sci. & Arts college, Bhadrawati Dist - Chandrapur
Preliminary Examination Winter - 2022

B.Sc. II Semester III Physics

Paper II (USPHT06): Radiation and Statistical Physics

Time: 3 Hours

Max. Marks: 50

Note: 1. All questions are compulsory.
 2. Draw neat diagrams wherever necessary.

1. Either

- A) i) What is perfectly black body ? Describe how the idea of perfectly black body has been achieved in practice ? (4)
 ii) State plank's radiation law for black body radiation. Calculate average energy of plank's oscillator and derive plank's radiation formula from it? (6)

OR

- B) a) Explain the energy distribution in the black body spectrum. (2½)
 b) Define i) Emissive power ii) State Kirchoff's law (2½)
 c) Derive Stephen's Boltzman law from plank's radiation law? (2½)
 d) What is the wavelength of maximum intensity radiation radiated from a source at temperature 3000°C? (2½)

2 Either

- A) i) Derive the condition of equilibrium between two system in thermal contact? (6)
 ii) Define unit cell in phase space. Show that the smallest volume of the unit cell in phase space is h^3 , where h is a plank's constant? (4)

OR

- B) a) What is meant by Thermodynamic probability? Explain with suitable example. (2½)
 b) Explain principle of equal a priory probability. (2½)
 c) Explain the concept of Gamma space? (2½)
 d) Derive the Boltzman's Entropy relation $S = k \log_e(w)$? (2½)

3 Either

- A) i) Derive the following expression for M.B distribution law.

$$n_i = g_i e^{-\alpha} e^{-E_i/kT}$$
 (6)
 ii) From MB distribution law show that

$$n(E)dE = (2\pi N / (\pi K T)^{3/2}) * E^{1/2} e^{-E/KT} dE$$

 where $n(E)dE$ = number of molecules with energies between E and E(+dE) (4)

OR

- B) a). What are the fundamental postulates of statistical mechanics? (2½)
 b) State the characteristics of particle obeying B.E. statistics? (2½)
 c) Show that for the Maxwellian distribution $\frac{V_p}{1} = V = V_{rms}$. (2½)

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d) Calculate the value of root mean square speed of a molecules of hydrogen at NTP. The Boltzman's constant is 1.38×10^{-16} ergs per degree and Avagadro's number is 6×10^{23} gm mole? $(\frac{1}{2})$

4 Either

A i) Derive an expression for F. D distribution law. (6)

ii) Differentiate between F. D statistics and B E. statistics (4)

OR

B) a) Differentiate between classical and quantum statistics. $(\frac{1}{2})$

b) The number of conduction electrons per c. c. in Beryllium is 24.2×10^{22} and in Cesium is 0.91×10^{22} . If the Fermi energy of conduction electrons in Beryllium is 14.44 eV, calculate Fermi energy of conduction electrons in Cesium. $(\frac{1}{2})$

c) Write the fundamental postulates of F. D statistics? $(\frac{1}{2})$

d) Derive an expression Fermi energy at absolute zero ? $(\frac{1}{2})$

5. Attempt any ten.

a) Define Absorptive power. (1)

b) State Rayleigh's Jeans law? (1)

c) What is the wavelength of maximum intensity radiation radiated from a source of temperature 3000°C ? given Wien's constant = 2.898×10^{-3} MF. (1)

d) Define momentum space? (1)

e) Define accessible and Inaccessible macrostates? (1)

f) Four molecules are to be distributed in 2 cells. Find possible number of macrostates and corresponding number of microstates? (1)

g) State the characteristics of a particle obeying M.B statistics? (1)

h) Define Degeneracy parameter? (1)

i) Calculate the value of Root mean square speed? (1)

j) What are the bosons? Which statistics is used to study them? (1)

k) Define Fermi temperature. (1)

l) Define fermi function. What is its significance? (1)

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NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE, BHADRAWATI

Preliminary Examination Winter 2022

B.Sc. Sem. - I, Paper II

Paper II: PLANT DIVERSITY - II

Time 3 hrs.

Max. Marks 50

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

2) Draw well labelled diagram wherever necessary.

Que.1) Write on -

5 X 2 = 10

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

OR

Write short notes on -

2½ X 4 = 10

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

Que.2) Write on -

5 X 2 = 10

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

OR

Write short notes on -

2½ X 4 = 10

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

Que.3) Write on -

5 X 2 = 10

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

OR

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Write short notes on –

2½ X4=10

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

Que.4) Write on –

5 X 2 = 10

- a) Geological Time Scale
- b) Glossopteris leaf

OR

Write short notes on –

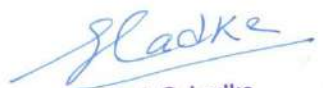
2½ X4=10

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

Que. 5) Write answer in two or three lines only diagram is not necessary

1 X10= 10

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



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सराव परीक्षा दिवाली - 2022

बि. ए. भाग-3 (सेम-IV)

विषय - भूगोल

वेळ - 3 तास

गुण - 60

- सुचना - 1) सर्व प्रश्न सोडावेणे आवश्यक आहे.
2) सर्व प्रश्नांना समाज गुण आहे.
3) योग्य नकाशे आकृत्या व आलेख यांना श्रेय दिल्या जाईल.
4) नकाशा व स्टोन्सिलचा वापर करता येईल.

प्र-1 महाराष्ट्रातील प्रशासकीय विभाग स्पष्ट करा किंवा (12)

महाराष्ट्रातील पर्जन्याचे वितरण असमान आहे सकारण स्पष्ट करा.

प्र-2 महाराष्ट्रातील सुती-वस्त्रोद्योगाचे वर्धन करा आणि त्यांच्या स्थानिकीकरणाचा प्रभावित करणा-या घटकांची चर्चा करा. किंवा (12)

महाराष्ट्रातील लोकसंख्येच्या आधिकारीय वितरणावर परिणाम करणा-या घटकांची चर्चा करा.

प्र-3 शेडक्यात उत्तरे लिहा.

अ) महाराष्ट्रातील पार्श्वम वाहिनी नद्यांची वैशिष्ट्ये सांगा.

ब) महाराष्ट्रातील प्रशासकीय विभाग महाराष्ट्राच्या नकाशात दर्शवा. किंवा (12)

क) महाराष्ट्रातील जंगलांचे आर्थिक महत्त्व सांगा.

ड) महाराष्ट्रातील नकाशात प्रमुख धवासान प्रदेश दर्शवा.

प्र-4 शेडक्यात उत्तरे लिहा

अ) महाराष्ट्रातील अस उत्पादन (टिप लिहा)

ब) महाराष्ट्राच्या नकाशात मँगनीज उत्पादन क्षेत्र दाखवा.


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किंवा.

(12)

क) महाराष्ट्रातील लोकसंख्या घनतेचे विभाग स्पष्ट करा.

ड) ग्रामीण भागाकडून नागरी भागाकडे लोकसंख्येचे स्थलांतरण का होते.

प्र-5 खालील वस्तुनिष्ठ प्रश्नांसाठी योग्य पर्याय निवडा. (12)

१) महाराष्ट्रात पाहिली आधुनिक कापडगिरी — येथे उभारली
अ) नागपूर व) मुंबई क) इचलकरंजी ड) अहमदनगर

२) महाराष्ट्रातील ग्रामीण विभागाचा — उद्योगाने
कार्यापालट केला.

अ) फल व) लघु क) कापड ड) साखर

३) महाराष्ट्राच्या बहुतेक भागात — प्रवाहप्रणाली
आढळते.

अ) चक्राकार व) वृक्षाकार क) समांतर ड) आनीश्वेत

४) महाराष्ट्रातील — जिल्ह्यात लोहखनिजांचे सर्वाधिक
मोठे आद्ये.

अ) नागपूर व) गोंदिया क) गडचिरोली ड) चंद्रपूर

५) महाराष्ट्रात लोकसंख्येची सर्वात कमी घनता (प्रति चौ. कि.मी 74)
कोठल्या जिल्ह्यात आद्ये.

अ) बीड व) उरमाताबाद क) नंदुरवार ड) गडचिरोली

६) खालीलपैकी महाराष्ट्रातील पर्जन्यावर सर्वाधिक प्रभाव पाडणारा घटक
कोणता ?

अ) समुद्रसपाटीच्या व) प्राकृतिक रचना क) वनांचे कमी-आद्ये
प्रमाण ड) पूर्वेकडील दाट वने


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निक कुंभारत शिंदे विमान व कुल गहीवलालय, भद्रावती. (

सराव परिक्षा विाही - 2022

वर्ग. बी. ए. भाग. 2 सेम - 3

विषय - समाजशास्त्र (आदिवासी समाजाचे समाजशास्त्र)

वेळ - 2 तास.

गुण - 10

सुचना:

- 1) सर्व प्रश्न सोडविणे आवश्यक आहे.
- 2) सर्व प्रश्नांना समान गुण आहे.

प्र. 1 ला. आदिवासींनी व्याख्या करा. जाती व समाजातील संघर्ष स्पष्ट करा.
किंवा (95)

आदिवासी मधील संस्कृतीकरणामधी प्रक्रिया स्पष्ट करा.

प्र. 2 रा. आदिवासी समाजातील डोजेदार चिकीत्सा पध्दती स्पष्ट करा.
किंवा (95)

आदिवासी अर्थव्यवस्थेची व्याख्या करा. आदिवासी अर्थव्यवस्थेची वैशिष्ट्ये लिहा

प्र. 3 रा. शोडकग्राम उत्तरे लिहा. (कोणतेही दोन) (95)

अ) आदिवासी समाजाची वैशिष्ट्ये

ब) नातेदारीचे महत्त्व.

क) ब्रिटीश काळातील आदिवासींचा विकास

ड) आदिवासी समाजातील शेतीचे प्रकार.

प्र. 4 था. शोडकग्राम उत्तरे लिहा. (कोणतेही दोन.) (95)

अ) आदिवासींचे लोक संरक्षणात्मक विश्लेषण.

ब) आदिवासी कुटुंबाची वैशिष्ट्ये

क) हिंदूकरण

ड) आदिवासी अर्थव्यवस्थेतील अटक.

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(पुणेक पानावर)

प्र. पुनः खालीलपैकी प्रत्येक प्रश्नाचे संक्षिप्त उत्तरे लिहा.

- अ) जातीचा अर्थ
- ब) विवाहाचा उद्देश
- क) सामाजिक गतिशिलेची व्याख्या
- ड) संपत्तीचा अर्थ
- इ) मातृसत्ताक कुटुंब
- फ) सामाजिक गतिशिलेचे प्रकार.
- ग) संपत्तीचे प्रकार
- ह) आदिवासी विवाहाचे प्रकार

—X—
—X—
—X—

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निम्नलिखित शिर्षक विज्ञान व कला महाविद्यालय भद्रावती

सत्राव परीक्षा - २०२३

B.A. III - sem - V.

History of Modern World. (1775 to 1920 A.D.)

Time: 3 Hours.

Max. Mark - 80

सूचना :-

- १) सर्व प्रश्न शोडविने आवश्यक आहे.
- २) सर्व प्रश्नांना समान गुण आहेत.

प्र १ लो) अमेरिकन राज्यक्रांतीची कारणे स्पष्ट करा. 16

OR
फ्रेंच राज्यक्रांतीची कारणे आणि परिणाम लिहा.

प्र २ रा. पहिल्या महायुद्धाची कारणे स्पष्ट करा. 16

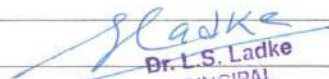
OR
व्हर्सायच्या तहाने टिकात्मक मुख्यमापण करा.

प्र ३ रा. खालील पैकी कोणत्याही दोन प्रश्नांची उत्तरे 16 ते २५ ओळीत लिहा. 08

अ) युरोपियन संघाच्या वसाहतवादाचा आशियावर झालेले परिणाम लिहा.

ब) त्रिसम्राट संधि (1872) वर टिपण लिहा. 08

ग) कॅसर विलियम द्वितीयची माहिती लिहा. 08


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कोणत्याही दोन प्रश्नांची उत्तरे 16 ते 24 ओळीत लिहा.

प्र. 4 था - अ) 'लकनतुर्क क्रांती' यावर निबंध लिहा. 08.

ब) पहिले बाल्कन युद्ध (1912-13) यावर टिपण लिहा. 08

क) रशिया जपान युद्धाची (1904-05) ची कोणतेही तीन कारणे लिहा. 08

ड) रशियन इतिहासातील 'रुस्तारंजीत रविवार' चे महत्त्व लिहा. 08

प्र. 5 वा - अ) खालील प्रश्नांची उत्तरे एक-दोन ओळीत लिहा.

1) अमेरिकेचा प्रथम राष्ट्राध्यक्ष कोण होता - १. 02

2) फ्रेंच क्रांतीत फारसीवर गेलेला प्रथम सम्राट कोण १. 02

3) 'रक्त आणि लोह' नितीचा पुरस्कार प्रशियात कोणी केला १. 02

4) कोणत्या जर्मन सम्राटासोबत बिल्मार्क चे मतभेद झाले १. 02

5) पार्लिमेन्टाळ्यच्या तह कोणत्या कोणत्या राष्ट्रांस झाला १. 02

6) रशियन सम्राट व रानीवर कोणत्या प्रभाव होता १. 02

7) पहिल्या महायुद्धातील होस्त राष्ट्रांच्या रात कोणता १. 02

8) व्हर्साय तह कोणत्या राष्ट्रावर जबरहस्तीने लाह्यात आला. 02



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**Assignment / Seminar /
Unit Test Book**

ACADEMIC SESSION

2022 - 2023

Name of the Student : SHRISTI SHARMA

Class : B.Sc. - IInd (sem-IV) *Section :* _____

Subject : MATHS (paper-II) *Roll No.* _____

Univ. Enrolment No : _____

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DEPARTMENT OF CHEMISTRY

CERTIFICATE

This is to certify that Shri / Ku. / Smt. Anamika L. choulhary
N.S. college, Bhadrawati is a bonafide student of
Class B.S.C Roll No. _____ He / She has done
Unsatisfactory / Satisfactory / Good / Excellent Assignment work in
the subject chemistry (paper-I) in Academic Session 2022-23.


Incharge Teacher


Head of the Deptt.

N. S. Sci. & Arts College, Bhadrawati

Principal

N. S. Sci. & Arts College, Bhadrawati


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**Assignment / Seminar /
Unit Test Book**

ACADEMIC SESSION

2022 - 2023

Name of the Student: Samiksha Ashokrao Swan

Class : B.Sc 3rd year Sem VI Section : _____

Subject : Chemistry (In-organic) Roll No. _____

Univ. Enrolment No : _____

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**DEPARTMENT OF History
CERTIFICATE**

This is to certify that Shri / Ku. / Smt. Samir Demodhar Madani
is a bonafide student of

Class B.A+I- Years Roll No. _____ He / She has done
Unsatisfactory / Satisfactory / Good / Excellent Assignment work in
the subject HISTORY in Academic Session 2023-24.


Incharge Teacher


Head of the Deptt.

Principal

N. S. Sci. & Arts College, Bhadrawati

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