

2.5.1

**Nilkantharao Shinde Science and Arts College, Bhadrawati**

Session- 2021-2022

Class- B.sc-II Year (Sem-IV) (physics)


(06/04/2022)

Total Mark =15

- |   |   |
|---|---|
| 1) What are main components of laser ?              | 3 |
| 2) Explain four level pumping scheme                | 3 |
| 3) Explain construction and workin of He-Ne Laser ? | 6 |
| 4) State and explain characteristics of laser       | 3 |



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

  
(Mr. K.V. Bhungale)

**Nilkantharao Shinde Science and Arts College, Bhadrawati**

Session- 2021-2022

Class- B.sc-II Year (Sem-IV) (Physics)

(06/04/2022)

Result

Sr. No	Name of Students	Marks
1	Vibha Tated	15
2	Khushi Kharwade	15
3	Dipali Boinwar	9
4	Anushka Jawale	13
5	Tejwini Nimje	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
17	Tumeshwari Jiwtode	9
18	Achal Jigdalwar	8
19	Prachi Kakde	8

*Ladke*

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

*Dhonyale*

(Ms. K.V. Dhonyale)

## Unit Test (Physical Chemistry Paper II)

B.Sc. III Sem-V

Dt. 06/11/2021

Electrochemistry I, II

Total Marks 20

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

  
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(K.P. Jumele)

Unit Test (Physical Chemistry Paper II)

B.Sc. II Sem-III

Dt. 08/10/2021

Total Marks 20

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

  
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(C.K.P. Jumele)

NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE, BHADRAWATI DIST- CHANDRAPUR

B.SC-I YEAR SEM-I (CBCS)

DEPARTMENT OF CHEMISTRY

UNIT TEST

20 M

TIME 45 MIN

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Q.1 a. Define Hybridisation. Explain the formation of ethylene molecule on the basis of SP<sup>2</sup> - Hybridisation. 5M

b. Explain; -i) Inductive Effect      ii) Electromeric Effect 5M

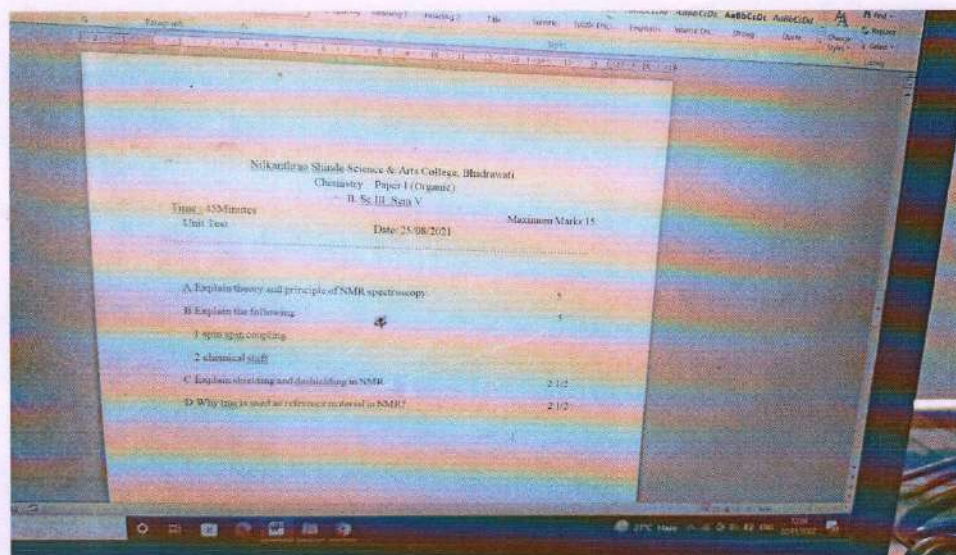
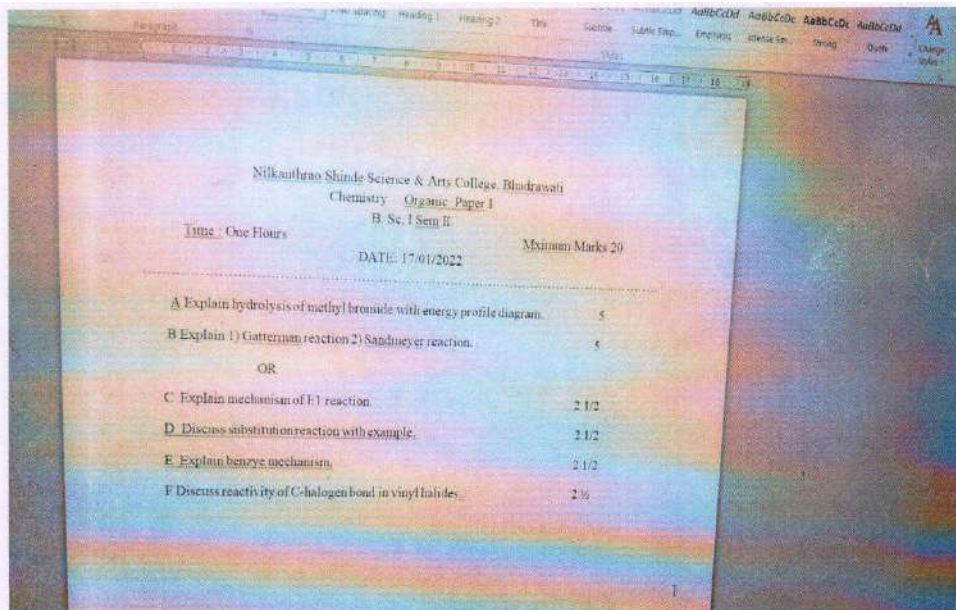
c. Write about Electrophiles and nucleophiles. 2<sup>1/2</sup>

d. Explain homolytic and heterolytic fission. 2<sup>1/2</sup>

e. Explain substitution reaction with suitable example. 2<sup>1/2</sup>

f. Write short note on PK value 2<sup>1/2</sup>

  
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NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE, BHADRAWATI DIST- CHANDRAPUR

B.SC-I YEAR SEM-I (CBCS)

DEPARTMENT OF CHEMISTRY

UNIT TEST

20 M

TIME 45 MIN

---

Q.1 a. Explain conformation in butane with energy profile diagram.. 5M

b. What is optical Isomerism? Explain optical isomerism of Tartaric acid.5M

c. Explain Walden Inversion. 2<sup>1/2</sup>

d. What is chirality? Explain condition of chirality. 2<sup>1/2</sup>

e. Draw boat and chair conformation of cyclohexane. 2<sup>1/2</sup>

f. Explain types of isomerism with example. 2<sup>1/2</sup>

  
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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. 3M
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

  
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(K-P. Junde)



## Unit Test - B.Sc. II - Sem III Result

Dt :- 08/10/2021 Sub : Chemistry (Paper II)

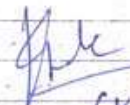
Dr. K. P. Junde

Max. marks : 20

1) Aishwarya Rajivkumar Tiwari	<del>Aishwarya</del>	19
2) Divya Dipak Vyavahare	<del>Divyavahar</del>	15
3) Pratik Kishor Wargunthar	<del>Pratik</del>	10
4) Sameer Ramchandra yadav	<del>Sameer</del>	11
5) Gayatri. Anil. Adkar	<del>Gayatri</del>	09
6) Roshan suryabhan Chaudhari	<del>Roshan</del>	08
7) Yash Ravindra. Aswale	<del>Yash</del>	09
8) Priyanka. Chintyarn. Chuttya	<del>Priyanka</del>	10
9) Isha. Vitthal Bodhale	I. Bodhale	12
10) Sampksha Maroti Basashankar	<del>Sampksha</del>	13
11) Bodhisattva Vijay Dasande	<del>Bodhisattva</del>	10
12) Payal Bhavrat Dhurve	P. B. Dhurve	11
13) Pallavi chaturpati Gajbhe	<del>Pallavi</del>	10
14) palwani Nareesh Herane	<del>Palwani</del>	17
15) Chaitanya prabhakar Hirkan	<del>Chaitanya</del>	08
16) Jayu Rajesh Ledange	<del>Jay Ledange</del>	09
17) Prerana Natthu kutasmore	<del>Prerana</del>	14
18) Somaaz Nandkishor khade	<del>Somaaz</del>	08
19) Achal RAJU Kambale	<del>Achal</del>	11
20) Sahil Vinod Nakshine	<del>Sahil</del>	09
21) Vipul Govindo Wande	<del>Vipul</del>	10
22) Jarvi Prakash alimbalkar	<del>Jarvi</del>	11
23) Mahesh MUSHTAK SAYYAD	<del>Mahesh</del>	12
24) soniya sabir sheikh	<del>Soniya</del>	14
25) Komal Pandurang shivastav	<del>Komal</del>	15
26) Gunesh. Hanuman Phinankar	<del>Gunesh</del>	10
27) G. Dipak Ranji Sayam	<del>G. Dipak</del>	11
28) Komal chaturpali Thakur	<del>Komal</del>	12
29) Krupali Ambadas Tonge	<del>Krupali</del>	13
30) Swapnil Mahadeo Gandhane.	<del>Swapnil</del>	07
31) Pratik Jagadish Dargyaker	<del>Pratik</del>	08
32) Dipati Sunil Boinawse	D. S. Boinawse	18
33) Pratikhar Natthu Gadhane	<del>Pratikhar</del>	

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34)	Supriya Vitthal Balpane	Supriya.	12
35)	Poochi Suresh Bagade.	S. Bagade	09
36)	Priya Raju Ambikar	P. Ambikar	17
37)	Iramraj - S. Ali	Iramraj.	13
38)	Poiti G. Yelane	P. G. Yelane	12
39)	Prasad S. Vidhate	P. S. Vidhate	11
40)	Pallavi G. Chowandipe	P. Chowandipe	14
41)	Anushka R. Jawale	A. R. Jawale	19
42)	Achal Ravindra Jidgalwar	A. Jidgalwar	14
43)	Tumoshwari S. Jiwade	T. Jiwade	15
44)	Arati - S. Kulkar	A. Kulkar	12
45)	Pranjali D. Kohale	P. Kohale	11
46)	Atik B. Kshirsagar	A. Kshirsagar	13
47)	Ritesh V. Kulkarni	R. Kulkarni	11
48)	Keshav A. Kumar	K. A. Kumar	06
49)	Tejaswini P. Nimje	T. Nimje	08
50)	Hitakshi. M. Thengne	H. Thengne	14
51)	Vibha S. Tated	V. Tated	19
52)	Rajeshwari S. Sundargiri	R. Sundargiri	12
53)	Alshanaaz S. Sheikh	A. Sheikh	11
54)	Pranjali. G. Raipure	P. Raipure	13
55)	Vaishali A. Parare	V. Parare	11

  
(K.P. Jumele)

B.Sc.-II (sem - III)  
Paper-I :- Real Analysis

Sr.No.	Name of the Students	Paper-I						Signature
		Assignment			Unit Test			
1	SAMEER R. YADAV	✓	✓	✓	✓	✓	✓	<i>Sameer</i>
2	VIBHA S. TATED	✓	✓	✓	✓	✓	✓	<i>VIBHA TATED</i>
3	ALISHANAAZ A. SHEIKH	✓	✓	✓	✓	✓	✓	<i>Sheikh</i>
4	KHUSHI M. KHARAWADE	✓	✓	✓	✓	✓	✓	<i>Khushi</i>
5	PRIYA R. AMBILKAR	✓	✓	✓	✓	✓	✓	<i>Priya</i>
6	PALLAVI S. GOWARDIPE	✓	✓	✓	✓	✓	✓	<i>Pallavi</i>
7	KUNAL S. DONGE	✓	✓	✓	✓	✓	✓	<i>Kunal</i>
8	SAHIL V. NAKSHINE	✓	✓	✓	✓	✓	✓	<i>Sahil</i>
9	VIPUL G. NANDE	✓	✓	✓	✓	✓	✓	<i>Vipul</i>
10	RAHUL S. MASALKAR	✓	✓	✓	✓	✓	✓	<i>Rahul</i>
11	PRASAD S. VIDHATE	✓	✓	✓	✓	✓	✓	<i>P. S. Vidhate</i>
12	RAJYASHREE S. DIXIT	✓	✓	✓	✓	✓	✓	<i>Rajyashree</i>
13	PRANJALI G. RAIPURE	✓	✓	✓	✓	✓	✓	<i>Pranjali</i>
14	PRACHI S. BAGADE	✓	✓	✓	✓	✓	✓	<i>S. Bagade</i>
15	ARATI S. KAKDE	✓	✓	✓	✓	✓	✓	<i>Arati</i>
16	TUMESHWARI S. JIWTODE	✓	✓	✓	✓	✓	✓	<i>T. Jiwtode</i>
17	NIKANKSHA P. PATIL	✓	✓	✓	✓	✓	✓	<i>N. Patil</i>
18	ATIK B. KSHIRSAGAR	✓	✓	✓	✓	✓	✓	<i>Atik</i>
19	AKSHAY N. DURYODHAN							
20	PRAJOT N. TUNGAPINDI							
21	PRATIK J. DAOGAOKAR							
22	TEJAS D. TELANG	✓	✓	✓	✓	✓	✓	<i>Tejas</i>
23	ACHAL R. JIDGALWAR	✓	✓	✓	✓	✓	✓	<i>Achal</i>
24	GANESH H. SHIWARKAR							
25	MAHESH C. BAWANE							<i>Mahesh</i>
26	DIPAK R. SOYAM	✓	✓	✓	✓	✓	✓	<i>Dipak</i>
27	KRUNALI V. GHUGUL	✓	✓	✓	✓	✓	✓	<i>Krunali</i>
28	HITAKSHI M. THENGANE	✓	✓	✓	✓	✓	✓	<i>Hitakshi</i>
29	AISHWARYA R. TIWARI	✓	✓	✓	✓	✓	✓	<i>Aishwarya</i>
30	PRITI V. KAREKAR							<i>Priti</i>
31	MAYURI D. BODHE	✓	✓	✓	✓	✓	✓	<i>Mayuri</i>
32	GITIKA K. DURGE	✓	✓	✓	✓	✓	✓	<i>Gitika</i>
33	KESHAV A. KUMAR	✓	✓	✓	✓	✓	✓	<i>Keshav</i>

PI-B.Sc.-II (sem-III) 1

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Sr.No.	Name of the Students	Assignment	Unit Test	Signature
34	PRAJAKTA N. BODHANE	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Prajakta Bodhane
35	DIPALI S. BOINWAR	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	D. S. Boinwar
36	SANDEEP S. SINGH	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Sandeep Singh
37	HITESH A. DAHULE	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Hitesh Dahule
38	AJAY C. DOPPALA	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Ajay C. Doppala
39	ANUSHKA R. JAWALE	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Anushka R. Jawale
40	DIVYA D. VYAVAHARE	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Divya D. Vyavahare
41	VRUSHALI A. PAZARE	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Vrushali A. Pazare
42	SANIYA S. SHEIKH	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Saniya S. Sheikh
43	DARSHANA D. NAGPURE	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Darshana D. Nagpure
44	IRAMNAJ S. S. ALI			
45	PRACHI H. KAKDE	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	P. H. Kakde
46	NIKITA V. JAMBHULKAR	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Nikita V. Jambhulkar
47	KOMAL P. SHIVARKAR	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Komal P. Shivarkar
48	KOMAL C. THAKUR	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Komal C. Thakur
49	JANVI P. NIMBALKAR			
50	AISHWARYA R. PIJURKAR	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Aishwarya R. Pijurkar
51	RAJESHWARI S. SUNDARGIRI	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Rajeshwari S. Sundargiri
52	PRITI G. YELANE	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	P. G. Yelane
53	KRUPALI A. TONGE	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	K. A. Tonge
54	ACHAL A. AWALE			
55	PALLAVI S. KALE	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Pallavi S. Kale
56	SUPRIYA V. BALPANE	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Supriya V. Balpane
57	RACHI W. KATKAR			
58	PRATIK K. WARGANTIWAR			
59	SAIVAMSHI Y. ALLAKATLA			
60	SWAPNIL M. GANDHARE	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Swapnil M. Gandhare
61	PRAJAKTA D. KOHALE	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Prajakta D. Kohale
62	JYOTI K. KANNAKE			
63	MAHEK M. SAYYAD			Mahek M. Sayyad
64	RITESH V. KULMETHE			
65	TEJASWINI P. NIMJE	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Tejaswini P. Nimje
66	ANIKET M. BODHALE			
67	AKSHAY R. SURYAWANSHI			

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Nilkanthrao Shinde Science and Arts College, Bhadrawati Dist.Chandrapur  
SESSION :- 2021-22

SUBJECT :- MATHEMATICS

B.Sc.-III (sem - V)

Paper-I :- Linear Algebra

Sr.No.	Name of the Students	Paper-I						Signature
		Assignment			Unit Test			
1	KIRAN D. SATPUTE	✓	✓	✓	✓	✓	✓	KSatpute
2	VAISHNAVI M. DAMBHARE							
3	PAYAL S. BAWANE	✓	✓	✓	✓	✓	✓	Payal
4	RITU D. INGALE	✓	✓	✓	✓	✓	✓	Ritu
5	PRATIKSHA D. PARCHAKE	✓	✓	✓	✓	✓	✓	Pratiksha
6	SAPNA N. MANDAL	✓	✓	✓	✓	✓	✓	Sapna
7	MADHURI P. KHANDALE	✓	✓	✓	✓	✓	✓	Madhuri
8	DHANSHREE K. NAGRALE	✓	✓	✓	✓	✓	✓	Dhanshree
9	PREM S. RAMTEKE	✓	✓	✓	✓	✓	✓	Prem
10	PRAJAKTA M. GEDAM							
11	TUSHAR D. ASUTKAR	✓	✓	✓	✓	✓	✓	Tushar
12	KAJAL A. WARBHE	✓	✓	✓	✓	✓	✓	Kajal
13	SAMEER A. NASNURKAR	✓	✓	✓	✓	✓	✓	Sameer
14	SHRUTI A. DEOGADE	✓	✓	✓	✓	✓	✓	Shruti
15	RITUL S. SHARMA	✓	✓	✓	✓	✓	✓	Ritul
16	PRACHI V. PATIL	✓	✓	✓	✓	✓	✓	Prachi
17	YASH O. TAMAR							
18	POONAM R. WAGHMARE							
19	PRIYA U. SAH	✓	✓	✓	✓	✓	✓	Priya
20	SEJAL S. DEOGADE	✓	✓	✓	✓	✓	✓	Sejal
21	SEJAL S. PETKAR	✓	✓	✓	✓	✓	✓	Sejal
22	DIPTI V. BHAJANKAR	✓	✓	✓	✓	✓	✓	Dipti
23	SIDHANTI Y. SONEWANE	✓	✓	✓	✓	✓	✓	Sidhanti
24	SHRUTI M. RAMTEKE	✓	✓	✓	✓	✓	✓	Shruti
25	ANIKET P. WALKE	✓	✓	✓	✓	✓	✓	Aniket
26	SURAJ G. BOBADE							
27	PRANJAL M. BOBADE	✓	✓	✓	✓	✓	✓	Pranjali
28	AMRITA K. PRASAD	✓	✓	✓	✓	✓	✓	Amrita
29	AMOL R. NARAYANE	✓	✓	✓	✓	✓	✓	Amol
30	MANGESH V. DEVHARE	✓	✓	✓	✓	✓	✓	Mangesh
31	SANTOSH R. MORE							
32	CHIRAG M. PATIL							
33	BHUSHAN L. BODHALE	✓	✓	✓	✓	✓	✓	Bhushan

PI-B.Sc.-III (sem - V) 1

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Sr.No.	Name of the Students	Assignment	Unit Test	Signature
34	ANIKET S. ASKAR	✓✓✓✓	✓✓✓✓	Aniket
35	DHANSHRI R. CHENDE	✓✓✓✓	✓✓✓✓	Dhanesh
36	SNEHAL S. SUKHADEVE	✓✓✓✓	✓✓✓✓	Snehal
37	NEHA S. MANTHANWAR			
38	ABHIJIT A. ROHANKAR			
39	AMAN S. PATIL			
40	SHRUTI B. RAIPURE	✓✓✓✓	✓✓✓✓	SRaipure
41	SHREYA S. JUNARKAR	✓✓✓✓	✓✓✓✓	Junekar
42	DIPALI K. PATIL			
43	SMITA N. WADHAI			
44	AMISHA S. KAKADE	✓✓✓✓	✓✓✓✓	Amishakade
45	SEJAL R. NANDURKAR			
46	MRUNALI M. TONGE	✓✓✓✓	✓✓✓✓	Mrunali
47	AACHAL D. DOYE	✓✓✓✓	✓✓✓✓	Aachal Doye
48	NIKITA V. KURAI	✓✓✓✓	✓✓✓✓	Nikita
49	VAISHNAVI P. DHAGE	✓✓✓✓	✓✓✓✓	Vaishnavi
50	VISHAL D. PRASAD			
51	GAYATRI B. DONGE	✓✓✓✓	✓✓✓✓	Gayatri Donge
52	HEMANT M. FARKADE	✓✓✓✓	✓✓✓✓	Hemant Farkade
53	NANDAK R. KAMBLE	✓✓✓✓	✓✓✓✓	Nandak
54	SUSHAMA P. KOKUDE	✓✓✓✓	✓✓✓✓	Sushama P. Kokude
55	POOJA D. MADOT			
56	ANAND D. DURGE	✓✓✓✓	✓✓✓✓	Anand D. Durge
57	PALASH D. GHATE			
58	BHAWANA W. THAKARE			
59	RUNALI S. AMATE			
60	SUJITA P. KAKDE			
61	BHAGYSHRI W. GODE			
62	ASHWINI G. WANDHARE	✓✓✓✓	✓✓✓✓	A. wandhare
63	DIKSHA S. ASAMPALLIWAR	✓✓✓✓	✓✓✓✓	Diksha Asampalliwar
64	KARAN V. JADHAO			
65	KRUSHIKESH R. PETKAR			
66	KARAN V. CHIKTE			
67	BHOLA D. ISLAWAT			
68	VAISHALI R. PARKHI			
69	PRATIKSHA S. KHARWADE			
70	MAHESH P. NIMSATKAR			
71	PRIYANKA SURESH			

PI- B.Sc.-III (sem - V) 2

*Ladke*  
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 Bhadrawati, Dist-Chandrapur

Nilkanthrao Shinde Science and Arts College, Bhadrawati Dist.Chandrapur  
SESSION :- 2021-22

SUBJECT :- MATHEMATICS

B.Sc.-III (sem - V)

Paper-II:- Special Relativity-I

Sr.No.	Name of the Students	Paper-II		Signature
		Assignment	Unit Test	
1	KIRAN D. SATPUTE	✓	✓	Kiransatpute
2	VAISHNAVI M. DAMBHARE			
3	PAYAL S. BAWANE	✓	✓	Payal
4	RITU D. INGALE	✓	✓	Ritu
5	PRATIKSHA D. PARCHAKE	✓	✓	Pratiksha
6	SAPNA N. MANDAL	✓	✓	Sapna
7	MADHURI P. KHANDALE	✓	✓	Madhuri
8	DHANSHREE K. NAGRALE	✓	✓	Dhanshree
9	PREM S. RAMTEKE	✓	✓	Prem
10	PRAJAKTA M. GEDAM			
11	TUSHAR D. ASUTKAR	✓	✓	Tushar
12	KAJAL A. WARBHE	✓	✓	Kajal
13	SAMEER A. NASNURKAR	✓	✓	Sameer
14	SHRUTI A. DEOGADE	✓	✓	Shruti
15	RITUL S. SHARMA	✓	✓	Ritul
16	PRACHI V. PATIL	✓	✓	Prachi
17	YASH O. TAMAR			
18	POONAM R. WAGHMARE			
19	PRIYA U. SAH	✓	✓	Priya
20	SEJAL S. DEOGADE	✓	✓	Sejal
21	SEJAL S. PETKAR	✓	✓	Sejal
22	DIPTI V. BHAJANKAR			
23	SIDHANTI Y. SONEWANE	✓	✓	Sidhanti
24	SHRUTI M. RAMTEKE	✓	✓	Shruti
25	ANIKET P. WALKER	✓	✓	Aniket
26	SURAJ G. BOBADE			
27	PRANJAL M. BOBADE	✓	✓	Pranjali
28	AMRITA K. PRASAD	✓	✓	Amrita
29	AMOL R. NARAYANE	✓	✓	Amol
30	MANGESH V. DEVHARE	✓	✓	Mangesh
31	SANTOSH R. MORE			
32	CHIRAG M. PATIL			
33	BHUSHAN L. BODHALE	✓	✓	Bhushan

P-II- B.Sc.-III (sem - V) 1

  
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Sr.No.	Name of the Students	Assignment	Unit Test	Signature
34	ANIKET S. ASKAR	✓✓✓✓	✓✓✓✓	Aniket
35	DHANSHRI R. CHENDE	✓✓✓✓	✓✓✓✓	Chende
36	SNEHAL S. SUKHADEVE	✓✓✓✓	✓✓✓✓	Snehal
37	NEHA S. MANTHANWAR			
38	ABHIJIT A. ROHANKAR			
39	AMAN S. PATIL			
40	SHRUTI B. RAIPURE	✓✓✓✓	✓✓✓✓	SRIPURE
41	SHREYA S. JUNARKAR	✓✓✓✓	✓✓✓✓	Shreya
42	DIPALI K. PATIL			
43	SMITA N. WADHAI			
44	AMISHA S. KAKADE	✓✓✓✓	✓✓✓✓	Amishade
45	SEJAL R. NANDURKAR			
46	MRUNALI M. TONGE			
47	AACHAL D. DOYE	✓✓✓✓	✓✓✓✓	Achal
48	NIKITA V. KURAI	✓✓✓✓	✓✓✓✓	Nikita
49	VAISHNAVI P. DHAGE	✓✓✓✓	✓✓✓✓	Vaishnavi
50	VISHAL D. PRASAD			
51	GAYATRI B. DONGE	✓✓✓✓	✓✓✓✓	Gayatri
52	HEMANT M. FARKADE	✓✓✓✓	✓✓✓✓	Hemant
53	NANDAK R. KAMBLE	✓✓✓✓	✓✓✓✓	Nandak
54	SUSHAMA P. KOKUDE	✓✓✓✓	✓✓✓✓	Sushama
55	POOJA D. MADOT			
56	ANAND D. DURGE	✓✓✓✓	✓✓✓✓	Anand
57	PALASH D. GHATE			
58	BHAWANA W. THAKARE			
59	RUNALI S. AMATE			
60	SUJITA P. KAKDE	*		
61	BHAGYSHRI W. GODE			
62	ASHWINI G. WANDHARE	✓✓✓✓	✓✓✓✓	Ashwini
63	DIKSHA S. ASAMPALLIWAR	✓✓✓✓	✓✓✓✓	Diksha
64	KARAN V. JADHAO			
65	KRUSHIKESH R. PETKAR			
66	KARAN V. CHIKTE			
67	BHOLA D. ISLAWAT			
68	VAISHALI R. PARKHI			
69	PRATIKSHA S. KHARWADE			
70	MAHESH P. NIMSATKAR			
71	PRIYANKA SURESH	✓✓✓✓	✓✓✓✓	Priyanka

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Sr.No.	Name of the Students	Assignment	Unit Test	Signature
34	PRAJAKTA N. BODHANE	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>P.N. Bodhane</u>
35	DIPALI S. BOINWAR	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>D.S. Boinwar</u>
36	SANDEEP S. SINGH	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>S. Singh</u>
37	HITESH A. DAHULE	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>H. Dahule</u>
38	AJAY C. DOPPALA	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>A. C. Doppala</u>
39	ANUSHKA R. JAWALE	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>A. Jawale</u>
40	DIVYA D. VYAVAHARE	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>D. Vyavahare</u>
41	VRUSHALI A. PAZARE	✓ ✓ ✓ ✓		<u>V. Pazare</u>
42	SANIYA S. SHEIKH			
43	DARSHANA D. NAGPURE	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>D. Nagpure</u>
44	IRAMNAJ S. S. ALI		✓ ✓ ✓ ✓	<u>I. S. Ali</u>
45	PRACHI H. KAKDE	✓ ✓ ✓ ✓		<u>P.H. Kakde</u>
46	NIKITA V. JAMBHULKAR	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>N. V. Jambhulkar</u>
47	KOMAL P. SHIVARKAR	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>K.P. Shivarkar</u>
48	KOMAL C. THAKUR	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>K.C. Thakur</u>
49	JANVI P. NIMBALKAR	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>J.P. Nimbalkar</u>
50	AISHWARYA R. PIDURKAR	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>A. R. Pidurkar</u>
51	RAJESHWARI S. SUNDARGIRI	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>R. S. Sundargiri</u>
52	PRITI G. YELANE		✓ ✓ ✓ ✓	<u>P. G. Yelane</u>
53	KRUPALI A. TONGE	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>K.A. Tonge</u>
54	ACHAL A. AWALE	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>A. A. Awale</u>
55	PALLAVI S. KALE	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>P. S. Kale</u>
56	SUPRIYA V. BALPANE	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>S. V. Balpane</u>
57	RACHI W. KATKAR	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>R. W. Katkar</u>
58	PRATIK K. WARGANTIWAR			
59	SAIVAMSHI Y. ALLAKATLA			
60	SWAPNIL M. GANDHARE	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>S. M. Gandhare</u>
61	PRAJAKTA D. KOHALE	✓ ✓ ✓ ✓		<u>P. D. Kohale</u>
62	JYOTI K. KANNAKE	✓ ✓ ✓ ✓		<u>J. K. Kanna</u>
63	MAHEK M. SAYYAD	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>M. M. Sayyad</u>
64	RITESH V. KULMETHE	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	<u>R. V. Kulmethe</u>
65	TEJASWINI P. NIMJE	✓ ✓ ✓ ✓		<u>T. P. Nimje</u>
66	ANIKET M. BODHALE			<u>A. M. Bodhale</u>
67	AKSHAY R. SURYAWANSHI			

PII-B.Sc.-II (sem-III) 2

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Bhadrawati, Dist. Chandrapur (M.S.)

[Department of Computer Science]

### UNIT TEST-I

Class : B.Sc. II Sem      Paper No & Name: II : Structured Programming with C  
Time : 50 min.      Date : 12/05/2022      Marks : 15

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

- |     |  |    |
|-----|--|----|
| Q.1 | Explain One Dimension array                                      | 05 |
| Q.2 | Explain following string functions<br>a) strlen()    b) strcmp() | 05 |
| Q.3 | Explain addition of two matrix                                   | 05 |
| Q.4 | Explain Multiplication of two matrix                             | 05 |
| Q.5 | Explain Two dimension matrix                                     | 05 |
| Q.6 | Explain writing and reading data from array                      | 05 |

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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 KRUTIKA B	10
2	BOSEWAR DIVYA V.	13
3	CHAUDHARI NIKITA G.	15
4	DARVE SHRAVANI V.	15
5	DASARI DAVID B.	03
6	DASKI PHELEMON V.	10
7	DURGE MANSI S.	09
8	GAURKAR DEVYANG P.	12
9	GAYKWADE ARPITA S.	14
10	HUNGANE SANJANA R.	06
11	KANDE PRIYA V.	14
12	KARKADE SHREYA H.	13
13	KARKADE ANKITA S.	12
14	KHOBRGADE PRADNYA U.	12
15	LANDGE SAHIL S.	07
16	MANDHARE ANHALI S.	15
17	MESHRAM SANYOG S.	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 FAJHAD R.	14
24	PATHAN NILOFAR L.	09
25	PATHAN GUDRYA J.	10
26	RAUT KUPESH D.	12
27	RODE SHREYAS P.	13
28	RUTYAKAR ACHAL V.	09
29	SAH ANKIT K.	12
30	SHEKH SANTYA H.	10
31	SHEKH AZIM S.	07
32	SWAN SAKSHI S.	07
33	TEKAM PRANALI K.	15
34	TUMSARE GOURI N.	14
35	VEDHATE SONAM D.	09
36	WARHADE YASH S.	08

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Dr. L.S. Ladke  
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[Department of Computer Science]

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### UNIT TEST-I

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Class : **B.Sc. IV Sem**      Paper No & Name: **II: Visual Basic & Introduction to .NET**  
Time : **50 min.**      Date : **27 /04 /2022**      Marks : **15**

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

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- |     |   |    |
|-----|---|----|
| Q.1 | Explain Integrated Development Environment    | 05 |
| Q.2 | Explain data types used in VB                 | 05 |
| Q.3 | Explain Operator used in VB                   | 05 |
| Q.4 | Explain String functions used in visual basic | 05 |
| Q.5 | Explain Select Case statement in visual basic | 05 |
| Q.6 | Explain Do...Loop while statement             | 05 |

  
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*Department of Computer Science*

Class: B.Sc. IV Sem.

Unit Test-I

Max. Marks: 15

Paper No. & Name: II Visual Basic & Introduction to .NET Date: 27/04/22

Sr. No.	Name	Marks
1	ALLAKATLA S. YADAGIRI	11
2	AWALE ACHAL A.	14
3	BAWANE MAHESH C.	08
4	BODHE MAYURI D.	06
5	DAHULE HITESH A.	09
6	DIXIT RAJYASHREE S.	07
7	DONGE KUNAL S.	13
8	DOPPALA AJAY C.	11
9	DURGE GITIKA K.	15
10	DURYODHAN AKSHAY N.	10
11	GHUGUL KRUNALI V.	09
12	JAMBHULKAR NIKITA V.	12
13	KAKDE PRACHI H.	14
14	KALE PALLAVI S.	13
15	KAREKAR PRITI V.	12
16	KATKAR RACHI W.	06
17	KHARAWADE KHUSHI M.	08
18	MASALKAR RAHUL S.	09
19	NAGPURE DARSHANA D.	10
20	NAKSHINE SAHIL V.	12
21	NANDE VIPUL G.	14
22	NIMBALKAR JANVI P.	12
23	PIJURKAR 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	TUNGAPINDI PRAJOT N.	11
32	VIDHATE PRASAD S.	12
33	YELANE PRITI G.	13

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Bhadrawati, Dist. Chandrapur (M.S.)

**[Department of Computer Science]**

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**UNIT TEST-I**

Class : **B.Sc. VI Sem**  
Time : **50 min.**

Paper No & Name: **(Elective II): Data Communication with Cloud**  
Date : **09/04/2022**

Marks : **15**

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

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

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*Department of Computer Science*

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

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

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

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class:- B.Sc III<sup>rd</sup> yr sem V

Date - 25/10/2021 Sub:- Botany.

Unit test

- |                        |                        |
|------------------------|------------------------|
| 1) Sakshi R. Bandurkar | <del>Sakshi</del>      |
| 2) Purnali R. Dade     | <del>P. Dade</del>     |
| 3) Pratiksha P. Shinde | <del>Pratiksha</del>   |
| 4) Komal S. Bache      | <del>K. S. Bache</del> |
| 5) Mehadi M. Chalkhure | <del>Malkhure</del>    |
| 6) Nutan S. Korade     | <del>Nutan</del>       |
| 7) Mayur V. Gaurkar    | <del>Mayurkar</del>    |
| 8) Neha Prasad         | <del>Neha</del>        |
| 9) Ritesh Tiwari       | <del>Ritewari</del>    |
| 10) Harshad S. Askar   | <del>Harshad</del>     |
| 11) Kunal Patange      | <del>Opabang</del>     |
| 12) Aman R. Dhobre     | <del>Aman</del>        |



UNIT TEST - I

gok

B.Sc - I year ; SEM - I

MARKS :- 30

PAPER - I - FUNDAMENTAL OF  
MICROBIOLOGY

Q.1:- Give detail contribution in devel  
of microbiology, with reference to  
the work of following scientists  
Louis Pasteur, Robert Koch & Alexan  
Flemming

[marks

OR

Write notes on theory of Abiogen  
with reference to John Needham's  
experiment.

Q.2) (a) Write scope about microbiology [2 1/2]

(b) Write a note on biogenesis with  
reference to F. Redi experiment [2 1/2]

Q.3) Describe the structure and functions  
of bacterial cell component. [marks:-10]

OR

Write a note on Cytoplasmic membrane  
[fluid Mosaic model].

Q.4) (a) Differentiate between prokaryotic  
and Eukaryotic cells. [2 1/2]

MARKS: 20  
PART - I FUNDAMENTAL IN  
(b) Write a note on stages in spiru-  
-lation? [2 1/2]

Give reference to the following stages of spiralisation in development.

SESSION 2021-2022

UNIT TEST - I

B.Sc - I year ; Sem :- I

MARKS :- 30

PAPER - II : MICROBIAL TECHNIQUE

Q. 1) Write a note and principle, construction and working of Electron microscopy [TEM and SEM]

[10-Marks]

OR

Write a note on principle, construction and working of Bright field microscopy

Q. 2) (a) Write a note on focal length and focal point.

[2 1/2]

(b) Write briefly about Resolving power in microscopy

[2 1/2]

Q. 3) Give a detail note on Gram Staining

[10-Marks]

OR

Write a note on Endospore staining

Q. 4) Define - (a) auxochrome, chromophore

[2]

(b) Write about acidic and basic dyes

[2 1/2]

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MARKS :- 30

SESSION - 2021 - 2022

UNIT TEST :- II

B.Sc - I year, SEM :- I

PAPER - I

Q.1) Write a note on Whittaker Five Kingdom Classification [10 Marks]

OR

Give in detail about Bergey's manual of determination.

Q.2) Write a note on Lytic and lysogenic cycle of T<sub>4</sub> phage. [10 Marks]

OR

Write general character & structure of viruses.

Q.3) (a) Write a note on Haeckel's bacterial taxonomy [2 1/2]

(b) Classification of viruses - LHT classification [2 1/2]

Q.4) (a) Sequencing method. [2 1/2]

(b) Methods of cultivation of animal viruses. [2 1/2]

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MARKS :- 30

SESSION :- 2021 - 2022  
UNIT TEST :- II  
B.Sc. I year / SEM :- I  
PAPER II

Q.1) Write a note on preservation of pure culture (i) Lyophilization (ii) Agar slant & oil sealing. [10 Marks]

Q.2) Write a note on various methods of physical agents used in sterilization. [10 Marks]

Q.3) (a) Differential and enrichment media. [2½]

(b) Stock culture collection centers in India and abroad. [2½]

(c) Write the characteristics of an ideal disinfectant. [2½]

(d) Write a note on microbiostatic. [2½]

AL

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Session 2021-2022 B.Sc. Second year  
Paper I - Metabolism.  
Total Marks = 10.

Sem III  
Page No. \_\_\_\_\_  
Date \_\_\_\_\_

sub-microbiology  
First Unit Test

Q.1 Write growth curve & its phases. 10m

or

a. Write short note on binary fission. 5m

b. state mathematical growth expression.

Q.2. Discuss methods used for bacterial growth measurement 10m.

or

a. discuss factors required for microbial growth. 5m.

b. Give difference between synchronous and continuous growth.

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Dr. L.S. Ladke  
Principal  
Science & Arts College

Session 2021-2022 B.Sc. Second year Sem III  
Paper I - Metabolism  
Total Marks - 30

Page No.	
Date	

Second Unit Test (Unit II & III)

Q1- Explain enzymes with classes. 10M

- or
- a. Write short note on induced fit model of enzyme. 5M.
- b. Discuss activation energy. 5M.

Q2. Discuss glycolysis pathway in detail with outline. 10M

- or.
- a. Explain TCA cycle. 5M
- b. Discuss  $\beta$  oxidation. 5M.

Q3. a. Write short note on enzyme inhibition. 5M

b. Discuss metabolic mill. 5M.

- or
- c. Explain fisher model of enzyme.
- d. Discuss PK pathways. 5M

MARKS :- 30

UNIT TEST :- II

SESSION :- 2021-2022

B.Sc - II year :- SEM :- II<sup>rd</sup>

PAPER :- II :- FOOD, Soil microbiology  
and Microbial Ecology

Q. ① Write a note on ~~cross~~ Positive Microbial  
association with examples

OR

[10 Marks]

② Write in detail about symbiotic and  
non-symbiotic nitrogen fixation

Q. ② Explain in detail about the construction  
and working mechanism of Biogas plant

[20 Marks]

OR

Write a note on Bioleaching of  
Copper and Uranium

Q. ③ a) Write a note on Xenobiotic [2½]

b) Write in brief about Clf gene [2½]

c) Explain about Bioremediation process [2½]

d) Biofertilizers [2½]

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Second Unit Test session 2021-2022

Paper II - Bioinstrumentation.

B.Sc. final year sem V

Total marks - 20

Q1. Discuss principle, procedure of  
Thin layer chromatography.

10M

- or
- a. write short notes on gels  
used for chromatography 5M
- b. Explain mechanism of gel  
filtration chromatography 5M

Q2. Write principle procedure of  
paper chromatography 10M

- or
- a. Give difference between partition  
& column chromatography. 5M
- b. Explain Affinity chromatography 5M





Dr. L.S. Ladke  
PRINCIPAL

N.S. Science & Arts College  
Raharwali, Dist Chandrapur

session 2021-2022  
First Unit Test Paper II - Bioinstrumentation  
B.Sc. Final year sem - V

Total 20 marks

Q 1. Write principle, procedure & application of UV-visible spectrophotometer. 10 M

OR

a. Write difference between colorimeter & spectrophotometer. 5 M

b. Write short note on spectrum of light. 5 M

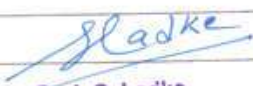
Q 2. Write principle mechanism of Mass spectroscopy. 20 M

OR

a. Give sources of UV visible light in spectrophotometer. 5 M

b. Explain photodetectors in spectrophotometer 5 M



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

session 2020-2022  
First Unit Test Paper I - Medical microbiology  
B.Sc. Final year sem V

Total Marks - 20 Time 1 hr.

Q1. Explain stages of infectious disease.

OR 10M

a. Write short note on normal flora of skin, eye, respiratory tract & digestive system. 5M

b. Discuss host parasite relationship. 5M


Q2. Discuss types of infectious disease.

OR

a. What are control measures of communicable disease.

b. Write types of infections.

⊕

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



Fourth Unit Test Session 2021-2022  
B.Sc. Final year sem V paper I  
Medical Microbiology

Total Marks 20

Q-1 - Discuss epidemiology, pathogenesis  
Laboratory diagnosis and treatment  
of AIDS disease. 10M.


a. Explain pathogenesis <sup>or.</sup> & treatment of  
Tuberculosis. 5M

b. Write short note on candidiasis. 5M

Q-2. Explain pathogenesis, Laboratory diagnosis  
and treatment of Typhoid. 10M  
or.

a. discuss pathogenesis of cholera. 5M

b. Write short note on malaria. 5M

  
Dr. E.S. Ladke  
PRINCIPAL  
N.S. Science & Arts College  
Chandrapur

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



DEPARTMENT OF Mathematics  
**CERTIFICATE**

This is to certify that Shri / Ku. / Smt. Shreya Sanjay  
Junarkar is a bonafide student of  
Class BSc III<sup>rd</sup> yr Roll No. \_\_\_\_\_ He / She has done  
Unsatisfactory / Satisfactory / Good / Excellent Assignment work in  
the subject Maths in Academic Session 2020-21.

S. Borkar  
Incharge Teacher

Head of the Deptt.

Dr. L.S. Lodke  
Principal

Principal

N. S. Sci. & Arts College, Bhadrawati

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

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



**DEPARTMENT OF MATHEMATICS  
CERTIFICATE**

*This is to certify that Shri / Ku. / Smt. Grikita. K. Durge  
\_\_\_\_\_ is a bonafide student of  
Class BSC II<sup>nd</sup> year Roll No. \_\_\_\_\_ He / She has done  
Unsatisfactory / Satisfactory / Good / Excellent Assignment work in  
the subject mathematic - 1 in Academic Session 2021-2022.*

*S. D. Kulkarni*  
Incharge Teacher

Head of the Deptt.

*L. S. Ladke*  
Dr. L. S. Ladke  
PRINCIPAL

Principal

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

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



DEPARTMENT OF Marathi

**CERTIFICATE**

This is to certify that Shri / Ku. / Smt. Priya  
Chandravilas Senune is a bonafide student of  
Class B.A III year sem-6 Roll No. \_\_\_\_\_ He / She has done  
Unsatisfactory / Satisfactory / Good / Excellent Assignment work in  
the subject Marathi in Academic Session 2021-22.

*[Signature]*  
Incharge Teacher

*[Signature]*  
Head of the Deptt.

N. S. Sci. & Arts College, Bhadrawati

*[Signature]*  
Principal

*[Signature]*  
Dr. L. S. J. S. & Arts College, Bhadrawati

PRINCIPAL

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

Anand Screen, Bhadrawati 9850372295

**NILKANTHRAO SHINDE SCIENCE AND  
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LEARNING AND RESEARCH  
BHADRAWATI, DIST. CHANDRAPUR**



**DEPARTMENT OF History**  
**CERTIFICATE**

This is to certify that Shri / Ku. / Smt. \_\_\_\_\_  
Gita Mahadev Thawari is a bonafide student of  
Class B.A. sem V (year) Roll No. \_\_\_\_\_ He / She has done  
Unsatisfactory / Satisfactory / Good / Excellent Assignment work in  
the subject History \* in Academic Session 2021-22.

  
Incharge Teacher

Head of the Deptt.  Principal  
N. S. Sci. & Arts College, Bhadrawati **Dr. L.S. Laxke** N. S. Sci. & Arts College, Bhadrawati  
PRINCIPAL



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



**DEPARTMENT OF HISTORY  
CERTIFICATE**

This is to certify that Shri / Ku. / Smt. AKshate  
Shalakrao Umdeo is a bonafide student of  
Class B.A-IV<sup>th</sup> sem Roll No. \_\_\_\_\_ He / She has done  
Unsatisfactory / Satisfactory / Good / Excellent Assignment work in  
the subject History \* in Academic Session 2021-22

  
Incharge Teacher

Head of the Deptt.



Principal

N. S. Sci. & Arts College, Bhadrawati

**Dr. L.S. Lodke**  
PRINCIPAL

N. S. Sci. & Arts College, Bhadrawati

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Bhadrawati, Dist. Chandrapur

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



DEPARTMENT OF Sociology

**CERTIFICATE**

This is to certify that Shri / Ku. / Smt. Pranay Santosh  
Whorude is a bonafide student of  
Class B.A. Final Sem Roll No. \_\_\_\_\_ He / She has done  
Unsatisfactory / Satisfactory / Good / Excellent Assignment work in  
the subject Sociology \* in Academic Session 2021-2022

  
Incharge Teacher

Head of the Deptt.

N. S. Sci. & Arts College, Bhadrawati

  
D.L.S. Lodke

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

Principal

N. S. Sci. & Arts College, Bhadrawati

**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(Multiple choice question pattern) for College Preliminary Summer Exam-2022 and submit hard copy of question paper to Librarian Prof. Sandeep Pradhan up to 30/05/2022


Date-25/05/2022

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

**NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE BHADRAWATI  
COLLEGE PRELIMINARY EXAMINATION SUMMER - 2022  
TIME TABLE - SCIENCE FACULTY**

Date	Time	Sem- II	Sem - IV	Sem - VI
01/06/2022	8.00-9.15 A.M.	Chem. - I / CS-I	Maths-I/ Bot-I	Phy-I/ Zoo- I
02/06/2022	8.00-9.15 A.M.	Chem- II/ CS-II	Maths -II / Bot.-II	Phy-II/ Zoo- II
03/06/2022	8.00-9.15 A.M.	Phy- I/ Zoo-I	Chem-I / CS-I	Maths-I/ Botany- I
04/06/2022	8.00-9.15 A.M.	Phy- II / Zoo-II	Chem-II / CS-II	Maths-II/Botany- II
06/06/2022	8.00-9.15 A.M.	Maths- I/ Bot-I	Phy-I / Zoo-I	Chem-I / CS-I
07/06/2022	8.00-9.15 A.M.	Maths-II / Bot-II	Phy-II / Zoo-II	Chem-II / CS-II
08/06/2022	8.00-9.15 A.M. * 10.15-11.30 A.M.	Microbiology - I English	Microbiology- I	Microbiology- I
09/06/2022	8.00-9.15 A.M. 10.15-11.30 A.M.	Microbiology - II Marathi / Suppl. Eng.	Microbiology- II	Microbiology- II

  
**Dr. 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


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

  
**Dr. L.S. Ladke**  
PRINCIPAL  
N.S. Science & Arts College  
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**NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE BHADRAWATI**  
**COLLEGE PRELIMINARY EXAMINATION SUMMER -2022**

**TIME TABLE - ARTS FACULTY**


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

  
**Dr. 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 27/5/22**  
**Dr. L. S. Ladke**

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

  
**Dr. L. S. Ladke**

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

**NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE BHADRAWATI**  
**COLLEGE PRELIMINARY EXAM. SUMMER 2022**  
 (SCIENCE FACULTY)

Date	Time	Name of invigilator	Signature	Room No.
01-06-2022	8.00 - 9.15 AM	Dr. A. B. Dhote	<i>[Signature]</i>	
		Dr. N. S. Wadhav	<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.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>	
		Mrs <del>Pradha</del> Madam	<i>[Signature]</i>	
		Mr. Sanjay Shreerame	<i>[Signature]</i>	
		Ms Dhanashree Ghugal	<i>[Signature]</i>	
Mr Surse Madam	<i>[Signature]</i>			
02-06-2022	8.00 - 9.15 AM	Dr. A. B. Dhote	<i>[Signature]</i>	
		Dr. N. S. Wadhav	<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.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>	
		Mrs <del>Pradha</del> Madam	<i>[Signature]</i>	
		Mr. Sanjay Shreerame	<i>[Signature]</i>	
		Ms Dhanashree Ghugal	<i>[Signature]</i>	
Mr Surse Madam	<i>[Signature]</i>			
03-06-2022	8.00 - 9.15 AM	Dr. A. B. Dhote	<i>[Signature]</i>	
		Dr. N. S. Wadhav	<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.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>	
		Mrs <del>Pradha</del> Madam	<i>[Signature]</i>	
		Mr. Sanjay Shreerame	<i>[Signature]</i>	
		Ms Dhanashree Ghugal	<i>[Signature]</i>	
Mr Surse Madam	<i>[Signature]</i>			

*[Signature]*  
**Dr. L.S. Lankar**  
 Principal  
 N.S. Science College

Date	Time	Name of invigilator	Signature	Room No.
04-06-2022	8.00 - 9.15 AM	Dr. A. B. Dhote	<i>ADhote</i>	
		Dr. N. S. Wadhve	<i>NWadhve</i>	
		Dr. A. D. Dahegaokar	<i>ADahegaokar</i>	
		Dr. G. R. Bedare	<i>GRBedare</i>	
		Dr. P. N. Nasare	<i>PNNasare</i>	
		Dr. M.N.Quadri	<i>MNQuadri</i>	
		Prof. S.S.Shrirame	<i>SSShrirame</i>	
		Prof. Bhongale	<i>Bhongale</i>	
		Dr. K. P. Jumde	<i>KPJumde</i>	
		Ms.mr. Nayan Sarkar	<i>NayanSarkar</i>	
		Ms Syma Madam	<i>SymaMadam</i>	
		Mrs Pradhan Madam	<i>PradhanMadam</i>	
		Mr. Sanjay Shreerame	<i>SanjayShreerame</i>	
		Ms Dhanashree Ghugal	<i>DhanashreeGhugal</i>	
Mr Surse Madam	<i>SurseMadam</i>			
06-06-2022	8.00 - 9.15 AM	Dr. A. B. Dhote	<i>ADhote</i>	
		Dr. N. S. Wadhve	<i>NWadhve</i>	
		Dr. A. D. Dahegaokar	<i>ADahegaokar</i>	
		Dr. G. R. Bedare	<i>GRBedare</i>	
		Dr. P. N. Nasare	<i>PNNasare</i>	
		Dr. M.N.Quadri	<i>MNQuadri</i>	
		Prof. S.S.Shrirame	<i>SSShrirame</i>	
		Prof. Bhongale	<i>Bhongale</i>	
		Dr. K. P. Jumde	<i>KPJumde</i>	
		Ms.mr. Nayan Sarkar	<i>NayanSarkar</i>	
		Ms Syma Madam	<i>SymaMadam</i>	
		Mrs Pradhan Madam	<i>PradhanMadam</i>	
		Mr. Sanjay Shreerame	<i>SanjayShreerame</i>	
		Ms Dhanashree Ghugal	<i>DhanashreeGhugal</i>	
Mr Surse Madam	<i>SurseMadam</i>			
07-06-2022	8.00 - 9.15 AM	Dr. A. B. Dhote	<i>ADhote</i>	
		Dr. N. S. Wadhve	<i>NWadhve</i>	
		Dr. A. D. Dahegaokar	<i>ADahegaokar</i>	
		Dr. G. R. Bedare	<i>GRBedare</i>	
		Dr. P. N. Nasare	<i>PNNasare</i>	
		Dr. M.N.Quadri	<i>MNQuadri</i>	
		Prof. S.S.Shrirame	<i>SSShrirame</i>	
		Prof. Bhongale	<i>Bhongale</i>	
		Dr. K. P. Jumde	<i>KPJumde</i>	
		Mr. Nayan Sarkar	<i>NayanSarkar</i>	
		Ms Syma Madam	<i>SymaMadam</i>	
		Mrs Pradhan Madam	<i>PradhanMadam</i>	
		Mr. Sanjay Shreerame	<i>SanjayShreerame</i>	
		Ms Dhanashree Ghugal	<i>DhanashreeGhugal</i>	
Mr Surse Madam	<i>SurseMadam</i>			

*Ladke*  
**Dr. L.S. Ladke**  
 PRINCIPAL  
 N.S. Science & Arts College

Date	Time	Name of invigilator	Signature	Room No.
08-06-2022	8.00 - 9.15 AM	Prof Shriram	<i>[Signature]</i>	
		Prof. Bhongale	<i>[Signature]</i>	
	9.30 - 10.45 AM	Prof. Bhongale		
		Dr. K. P. Jumde	<i>[Signature]</i>	
		Mr. Nayan Sarkar	<i>[Signature]</i>	
		John Madam	<i>[Signature]</i>	
09-06-2022	8.00 - 9.15 AM	Prof Shriram	<i>[Signature]</i>	
		Prof. Bhongale	<i>[Signature]</i>	
	10.15 - 11.30 AM	Prof. Bhongale	<i>[Signature]</i>	
		Dr. K. P. Jumde	<i>[Signature]</i>	
		Mr. Nayan Sarkar	<i>[Signature]</i>	
		John Madam	<i>[Signature]</i>	

*[Signature]*  
30/5/22  
**Dr. L.S. Ladke**  
PRINCIPAL  
N.S. Science & Arts College  
Bhadrawati, Dist-Chandrapur

*[Signature]*  
**Dr. L.S. Ladke**  
PRINCIPAL  
N.S. Science & Arts College  
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**NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE BHADRAWATI**  
**COLLEGE PRELIMINARY EXAM. SUMMER 2022**  
 (ARTS FACULTY)

Date	Time	Name of invigilator	Signature	Room No.
01-06-2022	9.30- 10.45 AM	Prof. Shon Tangde	<i>ST</i>	
		Prof. D.L.Bhaware	<i>D.L.Bhaware</i>	
		Dr. K.D.Shahare	<i>K.D.Shahare</i>	
		Kiran Gaurkar	<i>Kiran Gaurkar</i>	
		John Madam	<i>John Madam</i>	
02-06-2022	9.30- 10.45 AM	Prof. Shon Tangde	<i>ST</i>	
		Prof. D.L.Bhaware	<i>D.L.Bhaware</i>	
		Dr. K.D.Shahare	<i>K.D.Shahare</i>	
		Kiran Gaurkar	<i>Kiran Gaurkar</i>	
		John Madam	<i>John Madam</i>	
03-06-2022	9.30- 10.45 AM	Prof. Shon Tangde	<i>ST</i>	
		Prof. D.L.Bhaware	<i>D.L.Bhaware</i>	
		Dr. K.D.Shahare	<i>K.D.Shahare</i>	
		Kiran Gaurkar	<i>Kiran Gaurkar</i>	
		John Madam	<i>John Madam</i>	
04-06-2022	9.30- 10.45 AM	Prof. Shon Tangde	<i>ST</i>	
		Dr. V.G.Petkar	<i>V.G.Petkar</i>	
		Dr. K.D.Shahare	<i>K.D.Shahare</i>	
		Prof. D.L.Bhaware	<i>D.L.Bhaware</i>	
		John Madam	<i>John Madam</i>	
06-06-2022	9.30- 10.45 AM	Prof. Shon Tangde	<i>ST</i>	
		Dr. V.G.Petkar	<i>V.G.Petkar</i>	
		Dr. K.D.Shahare	<i>K.D.Shahare</i>	
		Prof. D.L.Bhaware	<i>D.L.Bhaware</i>	
		John Madam	<i>John Madam</i>	

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

*Ladke*  
 30/5/22  
**Dr. L.S. Ladke**  
 PRINCIPAL  
 N.S. Science & Arts College  
 Bhadrawati, Dist-Chandrapur

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

**02-03-2020 Time 9.30- 10.45 P.M.**

Date	SEM	SUBJECT	ROOM NO.	ROLL NO.	TOTAL
02-06-2022	SEM -II	ENGLISH	50	4736057-079	23
			51	4736080-099	20
	SEM - IV	GEOGRAPHY	54	4758673-675	03
	SEM -VI		SOCIOLOGY	52	4779584-607
		53		4779608-629	22
		54		4758630-635	03

*Dr. R. S. Hegde*  
*Chief Supervisor*  
*Preliminary exam Summer 2022*

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

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

02-06-2022 Time 8.00-9.15 A.M.

DATE	SEM	SUBJECT	ROOM NO.	ROLL NO.	TOTAL		
02-06-2022	SEM -II	CHEM. – II	<del>39</del>	4949571-634	41		
			<del>38</del>	4949636-668	22		
		COMP.SCI- II	<del>38</del>	4949574-579	04		
			<del>37</del>	4949581-648	26		
			<del>42</del>	4949649-669	05		
		SEM -IV	MATH- II	<del>42</del>	4969558-599	15	
	<del>46</del>			4969603-638	20		
	<del>50</del>			4969639-685	23		
	<del>51</del>			4969686-695	07		
	BOTANY-II		<del>51</del>	4969559-579	15		
			<del>52</del>	4969582-620	21		
			<del>53</del>	4969624-681	22		
			<del>54</del>	4969683-696	04		
			SEM -VI	PHYSICS-II	<del>39</del>	4990566-630	41
					<del>38</del>	4990632-682	26
	<del>37</del>	4990683-687			03		
	ZOOLOGY-II	<del>42</del>		4990567-606	15		
		<del>46</del>	4990612-655	15			
<del>54</del>		4990656-689	16				

*Ganesh*  
Dr. R.S. Kojure  
Chief Saperintendent  
Preliminary Exam Summer 2022

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

*[Signature]*

*College Preliminary Exam 28/29/22 9:15*

Blank Mark List For  
**B.SC.(with Credits) - Regular-CBCS Pattern - FY B.SC. - SEM II For Summer 2022**  
**College : Nilkanthrao Shinde Science & Arts College, Bhadrawati, Dist. Chandrapur. (316), Main Road Bhadrawati**  
**Ta. Bhadrawati Dist. Chandrapur, Chandrapur, Bhadrawati, Chandrapur Pin: 442402**

Paper Name: **MATHEMATICS -I (ORDINARY DIFFERENTIAL EQUATIONS AND DIFFERENCE EQUATIONS) (USMT-03)** Theory CA (Max Mark: 15 Min Mark: 0) Count of Student: 60

Sr. No.	Seat Number	PRN	Student Name	Marks	Total
1	4949571	2015033700242927	KHIRATKAR HITESH SANJAY	22	<i>Sigalme</i>
2	4949573	2021033700678215	AWARI BHUVANESHWARI RAJU	24	<i>Janglu</i>
3	4949574	2021033700678134	TUMSARE GOURI NIKHIL		<i>P. J. J. J.</i>
4	4949575	2021033700712574	WARHADE YASH SUBHASH	15	<i>Chandrade</i>
5	4949576	2021033700712597	LANDGE SAHIL SUBHASH	15	<i>- fank</i>
6	4949577	2021033700712601	KOLTE SAKSHI SHANKAR	12	<i>Salkar</i>
7	4949579	2021033700678165	RODE SHREYAS PRAMOD		
8	4949581	2019033700019387	KANDE PRIYA VENKATAYYA	27	<i>Vijay</i>
9	4949583	2021033700805865	RAI ANISH RAJENDRA		
10	4949584	2021033700933344	HUMANE SANJANA RAMU	08	<i>P. P. P. P.</i>
11	4949585	2021033700933313	GAYKWAD ARPITA SADANAND	15	<i>P. P. P. P.</i>
12	4949586	2021033700974913	GAURKAR DEVYANI PRAVIN	13	<i>P. P. P. P.</i>
13	4949594	2021033700772982	DEHARKAR PAVAN DADAJI	22	<i>P. P. P. P.</i>
14	4949595	2021033700772997	DARVE SHRAVANI VIJAY	25	<i>P. P. P. P.</i>
15	4949599	2021033700945047	RAIPURE CHAITALI VILAS		
16	4949601	2021033700714824	ASAMPALLIWAR LINA VITTHAL	14	<i>D. D. D. D.</i>
17	4949603	2021033700714847	VIDHATE SONAM DILIP	15	<i>S. S. S. S.</i>
18	4949604	2021033700714855	MANDHARE ANJALI SUNIL	13	<i>P. P. P. P.</i>
19	4949605	2021033700736433	KHANDALKAR EKATA ARVIND	18	<i>P. P. P. P.</i>
20	4949606	2021033700736441	UIKE PRANALI DURYODHAN	17	<i>P. P. P. P.</i>
21	4949607	2021033700736456	RUYARKAR ACHAL VINOD	20	<i>AV. V. V. V.</i>
22	4949608	2021033700744525	PATHAK ANKIT ARUN	15	<i>P. P. P. P.</i>
23	4949609	2021033700738896	PATHAN GUDIYA JALIL KHA	23	<i>P. P. P. P.</i>
24	4949611	2021033700738962	KARKADE SHREYA HARIDAS	17	<i>S. S. S. S.</i>
25	4949612	2021033700712543	ANDRASKAR RITIKA DILIP	024	<i>R. R. R. R.</i>

Seal

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

Signature of Examiner  
 Date

**Instruction**  
 1. While entering the marks, please ensure a clear, legible handwriting, without any scratches or over-writing.  
 2. In case of scratches, over-writing or corrections, please re-write the marks separately with signature.  
 3. Use English number while entering the marks.  
 4. Usage of whitener is strictly prohibited.

Blank Mark List For

B.SC.(with Credits) - Regular-CBCS Pattern - FY B.SC. - SEM II For Summer 2022

College : Nilkanthrao Shinde Science & Arts College, Bhadrawati, Dist. Chandrapur. (316), Main Road Bhadrawati  
Ta. Bhadrawati Dist. Chandrapur, Chandrapur, Bhadrawati, Chandrapur Pin: 442402

Subject Name: **MATHEMATICS -I (ORDINARY DIFFERENTIAL EQUATIONS AND DIFFERENCE EQUATIONS) (USMT-03)** Theory CA (Max Mark: 15 Min Mark: 0) Count of Student: 60

Sr. No.	Seat Number	PRN	Student Name	Marks	Total
26	4949613	2021033700736417	MAGGIDWAR SHRADDHA RAJU	24	Sybilu
27	4949614	2021033700738006	SWAN SAKSHI SURESH	21	Shraddha
28	4949615	2021033700744491	MESHARAM SANYOG SANJAY	14	Sanyog
29	4949616	2021033700744502	RAUT RUPESH DHANRAJ		
30	4949617	2021033700744517	MESHARAM PRATIK RAJU	17	P.R. Mohan
31	4949624	2021033700960317	SHEIKH AZIM SHAHID	02	Sheikh
32	4949625	2021033700947626	PETKAR SNEHAL VIJAY	13	Snehal
33	4949626	2021033700811935	CHANDEKAR NIKHIL PARSHURAM	18	Nikhil
34	4949627	2021033700944992	SHRASTI SHARMA	33	Sharma
35	4949628	2021033700712527	BHAJANKAR CHETANA VILAS		
36	4949629	2021033700712535	GAJBHAR BHARTI NAVNATH	23	Bajbhar
37	4949631	2021033700736472	CHAUDHARI NITIKA GANPAT	23	Nitika
38	4949632	2021033700736487	DURGE MANSI SUNIL	12	Durge
39	4949633	2021033700738915	DIDMUTHE MANSI MINANATH	16	Didmutha
40	4949635	2021033700738931	BHOSKAR KRUTIKA BANDU	12	Bhoskar
41	4949638	2021033700714801	DASARI DAVID BABU		
42	4949639	2021033700714816	DASRI PHILEMON VENKATESH	09	Dasri
43	4949640	2021033700714863	NAGPURE MAYUR VIJAY	34	Nagpure
44	4949641	2021033700744467	BOSEWAR DIVYA VYANKATESH		
45	4949645	2021033700737997	SHEIKH SANIYA HABIB	15	S.H. Sheikh
46	4949646	2021033700772974	MESHARAM SANKET SOMESHWAR	14	Sanket
47	4949648	2021033700678181	PATHAN FARHAD RASHID	19	F.R. Pathan
48	4949649	2021033700678196	PATHAN NILOFAR LATIF	20	Pathan
49	4949652	2021033700714886	BHATARKAR VEDANT RAJU	19	Bhatarkar
50	4949653	2021033700737943	GOND LAXMI SANTOSH	36	Gond

Seal

*Ladke*  
**Dr. L.S. Ladke**  
PRINCIPAL  
Nilkanthrao Shinde Science & Arts College  
Bhadrawati, Chandrapur

Signature of Examiner  
Date

**Instruction**  
1. While entering the marks, please ensure a clear, legible handwriting without any scratches or over-writing.  
2. In case of scratches, over-writing or corrections, please re-write the marks separately with your signature.  
3. Use English number while entering the marks.  
4. Usage of whitener is strictly prohibited.

*College Preliminary Exam - 2022*  
Blank Mark List For  
B.SC.(with Credits) - Regular-CBCS Pattern - FY B.SC. - SEM II For Summer 2022

College : Nilkanthrao Shinde Science & Arts College, Bhadrawati, Dist. Chandrapur. (316), Main Road Bhadrawati,  
Ta. Bhadrawati Dist. Chandrapur, Chandrapur, Bhadrawati, Chandrapur Pin: 442402

Paper Name: **MATHEMATICS -I (ORDINARY DIFFERENTIAL EQUATIONS AND DIFFERENCE EQUATIONS) (USMT-03)** Theory CA (Max Mark: 15 Min Mark: 0) Count of Students

Sr. No.	Seat Number	PRN	Student Name	Marks	T
51	4949654	2021033700737951	CHIKTE MAYURI KISHOR		<i>Soj</i>
52	4949656	2021033700737974	SHARMA VIDHI AJAYKUMAR	22	<i>M.K</i>
53	4949657	2021033700738954	KHOBIRAGADE PRADNYA UTTAM	31	<i>U</i>
54	4949658	2021033700744452	KARKADE ANKITA SURYABHAN		
55	4949659	2021033700885032	SAH ANKIT MITHLESH	11	<i>A.K</i>
56	4949662	2021033700979895	DONGRE PRERANA VINOD		
57	4949663	2021033700973852	UTANE DHANASHREE RAJENDRA	16	<i>B</i>
58	4949664	2021033700886333	DAHULE KOMAL RAJU	17	<i>K</i>
59	4949665	2021033700886341	BALPANE PRAPTI RAMCHANDRA	12	<i>K</i>
60	4949669	2021033700989015	TEKAM PRANALI KAWDUJI	13	<i>P</i>

*Dr. L.S. Ladke*

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

Seal

Signature of Examiner

Date *21*

**Instruction**

1. While entering the marks, please ensure a clear, legible hand-writing, without any scratches or over-writing.
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4. Usage of whitener is strictly prohibited.

# College preliminary Exam Sum-2022

Blank Mark List For

B.SC.(with Credits) - Regular-CBCS Pattern - TY B.SC. - SEM VI For Summer 2022

College : Nilkanthrao Shinde Science & Arts College, Bhadrawati, Dist. Chandrapur. (316), Main Road Bhadrawati Ta. Bhadrawati Dist. Chandrapur, Chandrapur, Bhadrawati, Chandrapur Pin: 442402

aper Name: **COMPUTER SCIENCE II (DATA COMMUNICATION WITH CLOUD COMPUTING) (USCST11.2)** Theory CA (Max Mark: 10 Min Mark: 0) Count of Student: 43

Sr. No.	Seat Number	PRN	Student Name	Marks	Total
1	4990573	2018033700000705	KOKUDE SUSHAMA PRAKASH	18/50	Sight
2	4990574	2018033700000792	KURAI NIIKITA VIJAY	23	Sight
3	4990575	2018033700000794	INGLE RITU DINESH	AB	ABSENT
4	4990576	2015033700246771	NIMSATKAR MAHESH PUNDLIK	18	Sight
5	4990582	2016033700127611	MANTHANWAR NEHA SANJAY	AB	ABSENT
6	4990584	2018033700000810	GODE BHAGYSHRI WASUDEO	28	Sight
7	4990586	2017033700015600	MORE SANTOSH RANGAYYA	22	Sight
8	4990595	2019033700019365	DEOGADE SHRUTI ABHAY	AB	ABSENT
9	4990596	2019033700019366	DEVHARE MANGESH VASANTA	50	Sight
10	4990598	2019033700019370	DONGE GAYATRI BHARAT	49	Sight
11	4990600	2019033700019411	PRASAD VISHAL DEEPAK	AB	ABSENT
12	4990601	2019033700019357	BOBADE PRANJAL MAHADEO	AB	ABSENT
13	4990605	2019033700019400	NARAYANE AMOL RAJU	43	Sight
14	4990607	2019033700019374	DURGE ANAND DNYANESHWAR	14	Sight
15	4990608	2019033700019375	FARKADE HEMANT MORESHWAR	17	Sight
16	4990609	2019033700019376	GEDAM PRAJAKTA MANOJ	50	Sight
17	4990611	2018033700000749	WARBHE KAJAL ANANDRAO	26	Sight
18	4990615	2019033700019414	RAMTEKE SHRUTI MAHENDRA	43	Sight
19	4990620	2019033700019362	CHIKTE KARAN VITTHAL	49	Sight
20	4990621	2019033700019364	DEOGADE SEJAL SOMNATH	AB	ABSENT
21	4990622	2019033700019405	PATIL PRACHI VISHWESHWAR	50	Sight
22	4990623	2019033700019407	PETKAR SEJAL SANJAY	48	Sight
23	4990627	2019033700019404	PATIL CHIRAG MUNNA	50	Sight
24	4990630	2019033700019421	SHARMA RITUL SUNIL	AB	ABSENT
25	4990633	2018033700000826	DHAGE VAISHNAVI PRAMOD	49	Sight
26	4990634	2018033700000841	PARCHAKE PRATIKSHA DILIP	48	Sight

Seal



**Dr. L.S. Ladke**  
PRINCIPAL

Signature of Examiner

Date: 7/8/2022

**MS. S. S. College**  
Bhadrawati, Dist. Chandrapur

**Instruction**

1. While entering the marks, please ensure a clear, legible hand-writing, without any scratches or over-writing.
2. In case of scratches, over-writing or corrections, please re-write the marks separately with your signature.
3. Use English number while entering the marks.
4. Usage of whitener is strictly prohibited.

**College preliminary exam 4th Sem - 2022**

Blank Mark List For



B.Sc.(with Credits) - Regular-CBCS Pattern - TY B.Sc. - SEM VI For Summer 2022

College : Nilkanthrao Shinde Science & Arts College, Bhadrawati, Dist. Chandrapur, (316), Main Road Bhadrawati Ta. Bhadrawati Dist. Chandrapur, Chandrapur, Bhadrawati, Chandrapur Pin: 442402

paper Name: **COMPUTER SCIENCE II (DATA COMMUNICATION WITH CLOUD COMPUTING) (USCST11.2)** Theory CA (Max Mark: 10 Min Mark: 0) Count of Student: 43

Sr. No.	Seat Number	PRN	Student Name	Marks	Total
27	4990636	2018033700000821	KAKDE SUJITA PRABHAKAR	18/50	Sujita
28	4990639	2018033700000734	DAMBHARE VAISHNAVI MAROTRAO	17	Prakash
29	4990640	2018033700000757	BAWANE PAYAL SANJAY	30	Prakash
30	4990641	2018033700000752	WAGHMARE POONAM RAVINDRA	46	Prakash
31	4990642	2018033700000753	PATIL AMAN SANJAY	37	Prakash
32	4990652	2019033700019428	TAMAR YASH OMPRAKASH	AB	ABSENT
33	4990653	2019033700019429	THAKARE BHAWANA WAMAN	AB	ABSENT
34	4990657	2019033700019384	KAMBLE NANDAK RAJANAND	37	Prakash
35	4990658	2019033700019396	NAGRALE DHANSHREE KISAN	42	Prakash
36	4990660	2019033700019399	NANDURKAR SEJAL RAJESH	40	Prakash
37	4990662	2018033700022412	BODHALE BHUSHAN LAXMAN	AB	ABSENT
38	4990669	2019033700019433	TONGE MRUNALI MANOHAR	AB	ABSENT
39	4990672	2019033700019372	DOYE ACHAL DHANRAJ	34	Prakash
40	4990675	2019033700019389	KHANDALE MADHURI PRADEEP	50	Prakash
41	4990678	2019033700019424	SUKHADEVE SNEHAL SWAMIVIVEKANAND	50	Prakash
42	4990680	2019033700019350	ASKAR ANIKET SURESH	50	Prakash
43	4990684	2019033700019380	KAKADE AMISHA SANJIV	AB	ABSENT
				43	Prakash

Total: 43  
 Present: 32  
 Absent: 12  
 Pass: 28  
 Fail: 03

Seal	 <b>Dr. L.S. Ladke</b> PRINCIPAL	 Signature of Examiner Dr. M. N. Phadnis Date 7/6/2022
Instruction 1. While entering the marks, please ensure a clear, legible hand-writing, without scratches or over-writing. 2. In case of scratches, over-writing or corrections, please re-write the marks separately with your signature. 3. Use English number while entering the marks. 4. Usage of whitener is strictly prohibited.		



College preliminary exam Syll-2022 30 to 10:45

Blank Mark List For

B.A. (with Credits) - Regular-CBCS Pattern - FY B.A. - SEM II For Summer 2022

College : Nilkanthrao Shinde Science & Arts College, Bhadrawati, Dist. Chandrapur. (316), Main Road Bhadrawati Ta. Bhadrawati Dist. Chandrapur, Chandrapur, Bhadrawati, Chandrapur Pin: 442402

Subject Name: GEOGRAPHY (BA12B6R)

Theory CA

(Max Mark: 20 Min Mark: 0)

Count of Student: 43

Sr. No.	Seat Number	PRN	Student Name	Marks	Total
1	4736057	2018033700001054	KAKADE AJAY VILAS	-	Absent
2	4736058	2019033700011445	LEHAL RANDIPKOUR HARPALSINGH	14	14
3	4736059	2021033700741612	GEDAM SAKSHI PUNDALIK	15	15
4	4736060	2021033700741635	MESHARAM YOGITA NARAYAN	-	Absent
5	4736061	2021033700873731	PIDURKAR YOGESHRI BHARAT	20	20
6	4736062	2021033700933352	DESHMUKH RUPESH BHASHKAR	25	25
7	4736063	2021033700933375	FALE NIKHIL EKANATH	19	19
8	4736064	2021033700988967	NANNAWARE TUSHAR TULSHIDAS	-	Absent
9	4736065	2021033700988975	SONWANE ROSHAN PANDURANG	17	17
10	4736066	2021033700988983	NANNAWARE ANIKET DNYANESHWAR	-	Absent
11	4736067	2021033700869184	CHAUDHARI VISHAL VIJAY	15	15
12	4736068	2021033700895765	KOLTE DHANANJAY ANIL	-	Absent
13	4736069	2021033700948107	MARASKOLHE KUNAL SUBHASH	-	Absent
14	4736070	2021033700885701	KADAM VISHAL MADHUKAR	15	15
15	4736071	2021033700890861	GHUME ROHINI RASHIKET	-	Absent
16	4736072	2021033700890822	AWARI GANESH GAJANAN	11	11
17	4736073	2021033700890837	ROY NEHA RANJIT	15	15
18	4736074	2021033700902504	CHANDRAGIRIWAR VIBHOR RAVI	-	Absent
19	4736075	2019033700014309	AKASH SANJAYRAO RAUT	-	Absent
20	4736076	2021033700887657	NEWARE YOGESH SANJAY	10	10
21	4736077	2021033700887681	DHONGADE ANIKET SATISH	14	14
22	4736078	2021033700887696	RAUT ARTI DAMODHAR	13	13
23	4736079	2021033700880472	IKHARE MANGESH YADAV	-	Absent
24	4736080	2021033700880487	KULDIP NIKHIL MUNNILAL	-	Absent
25	4736081	2021033700893082	KAMATKAR RAKESH SHANKAR	-	Absent
26	4736082	2021033700893101	WAKADE MAYUR DEVIDAS	24	24

Seal

Signature of Examiner

Date 03/06/2022

Kiran M. Gaurkar

\*Please ensure a clear, legible hand-writing, without any scribbles or markings or writing or corrections, please re-write the marks separately. Any scribble while entering the marks, strictly prohibited.

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

 College Preliminary Exam Sem-2022

Blank Mark List For

B.A.(with Credits) - Regular-CBCS Pattern - FY B.A. - SEM II For Summer 2022

College : Nilkanthrao Shinde Science & Arts College, Bhadrawati, Dist. Chandrapur. (316), Main Road Bhadrawati Ta. Bhadrawati Dist. Chandrapur, Chandrapur, Bhadrawati, Chandrapur Pin: 442402

Paper Name: GEOGRAPHY (BA12B6R)			Theory CA	(Max Mark: 20 Min Mark: 0)	Count of Student: 43
Sr. No.	Seat Number	PRN	Student Name	Marks	Total
27	4736083	2021033700931426	ASUTKAR MAYUR ANIL	- Absent -	Signih
28	4736084	2021033700945001	BATTALWAR SHANKAR RAVI	- Absent -	
29	4736085	2021033700881235	NAKSHINE DUSHALA RAMKRUSHNA	18	Oranje
30	4736086	2021033700881274	DANAO PORNIMA NATTHU	23	P.N.Das
31	4736087	2021033700893043	BORKUTE PRATHAM KAILASH	15	Rothan
32	4736088	2021033700890296	JAMBHULE PRANITA PANDURANG	- Absent -	
33	4736089	2021033700897652	ATRAM RAMESH PRAKASH	- Absent -	
34	4736090	2021033700951647	KALASKAR RAJAT ANANDRAO	15	Abalake
35	4736091	2021033700931457	BODHE PRATIK MAROTI	19	Bes
36	4736092	2021033700890234	ZADE PRAGATI VASANTA	14	Adite
37	4736093	2021033700890281	KALE ANIKET PRABHAKAR	- Absent -	
38	4736094	2021033700893743	GOWARDIPE KARISHMA SANJAY	15	Kishor
39	4736095	2021033700892272	BALKI VAISHALI PURUSHOTTAM	18	V.P. Balki
40	4736096	2021033700893712	BARSAGADE AMIT VYANKATRAO	- Absent -	
41	4736097	2021033700893727	KAMATWAR YASH RAMA	09	Oranje
42	4736098	2021033700902744	GAJBHE AMIT BHASKAR	- Absent -	
43	4736099	2021033700989007	PIJDURKAR KRUNAL SHRIRAM	- Absent -	

Seal

  
Dr. L.S. Ladke

PRINCIPAL  
N.S. Science College  
Bhadrawati, Dist. Chandrapur

Signature of Examiner

Date

03/06/2022

Kiran M. Gaurkar

When entering the marks, please ensure a clear, legible hand-writing, without any scratches or over-writing. In case of scratches, over-writing or corrections, please re-write the marks separately with your signature. The use of a calculator is strictly prohibited.



# College Preliminary Exam 84M-2022

Blank Mark List For

B.A. (with Credits) - Regular-CBCS Pattern - FY B.A. - SEM II For Summer 2022

College : Nilkanthrao Shinde Science & Arts College, Bhadrawati, Dist. Chandrapur. (316), Main Road Bhadrawati Ts. Bhadrawati Dist. Chandrapur, Chandrapur, Bhadrawati, Chandrapur Pin: 442402

Paper Name: HISTORY (BA12B-5)		Theory CA (Max Mark: 20 Min Mark: 0)		Count of Student: 43	
Sr. No.	Seat Number	PRN	Student Name	Marks	Total Signature
1	4736057	2018033700001054	KAKADE AJAY VILAS	Ab	
2	4736058	2019033700011445	LEHAL RANDIPKOUR HARPALSINGH	34	Rhalehal
3	4736059	2021033700741612	GEDAM SAKSHI PUNDALIK	25	S.P. Gredam
4	4736060	2021033700741635	MESHAM YOGITA NARAYAN	13	Yogita
5	4736061	2021033700873731	PIDURKAR YOGESHRI BHARAT	38	Yogeshri
6	4736062	2021033700933352	DESHMUKH RUPESH BHASHKAR	39	Rupesh
7	4736063	2021033700933375	FALE NIKHIL EKANATH	23	Fale
8	4736064	2021033700988967	NANNAWARE TUSHAR TULSHIDAS	Ab	
9	4736065	2021033700988975	SONWANE ROSHAN PANDURANG	37	Roshan
10	4736066	2021033700988983	NANNAWARE ANIKET DNYANESHWAR	Ab	
11	4736067	2021033700869184	CHAUDHARI VISHAL VIJAY	39	Vishal
12	4736068	2021033700895765	KOLTE DHANANJAY ANIL	Ab	
13	4736069	2021033700948107	MARASKOLHE KUNAL SUBHASH	Ab	
14	4736070	2021033700885701	KADAM VISHAL MADHUKAR	11	Vishal
15	4736071	2021033700890861	GHUME ROHINI RASHIKET	Ab	
16	4736072	2021033700890822	AWARI GANESH GAJANAN	35	Ganesh
17	4736073	2021033700890837	ROY NEHA RANJIT	35	Neha R. Roy
18	4736074	2021033700902504	CHANDRAGIRIWAR VIBHOR RAVI	Ab	
19	4736075	2019033700014309	AKASH SANJAYRAO RAUT	Ab	
20	4736076	2021033700887657	NEWARE YOGESH SANJAY	38	Yogesh
21	4736077	2021033700887681	DHONGADE ANIKET SATISH	13	
22	4736078	2021033700887696	RAUT ARTI DAMODHAR	31	A.P. Raut
23	4736079	2021033700880472	IKHARE MANGESH YADAV	Ab	
24	4736080	2021033700880487	KULDIP NIKHIL MUNNILAL	Ab	
25	4736081	2021033700893082	KAMATKAR RAKESH SHANKAR	Ab	
26	4736082	2021033700893101	WAKADE MAYUR DEVIDAS	18	

Seal

**Dr. J. S. Ladke**

N.S. Science & Arts College  
Chandrapur

Signature of Examiner

Date

*J. S. Ladke*

5/6/2022

**Instruction**

1. While entering the marks, please ensure a clear, legible hand-writing, without any scratches or over-writing.
2. In case of scratches, over-writing or corrections, please re-write the marks separately with your signature.
3. Use English number while entering the marks.
4. Usage of whitener is strictly prohibited.



# College Preliminary Exam Sum-2022

Blank Mark List For

B.A. (with Credits) - Regular-CBCS Pattern - FY B.A. - SEM II For Summer 2022

College : Nilkanthrao Shinde Science & Arts College, Bhadrawati, Dist. Chandrapur. (316), Main Road Bhadrawati Ta. Bhadrawati Dist. Chandrapur, Chandrapur, Bhadrawati, Chandrapur Pin: 442402

Paper Name: HISTORY (BA12B-5)			Theory CA	(Max Mark: 20 Min Mark: 0)	Count of Student: 43
Sr. No.	Seat Number	PRN	Student Name	Marks	Total
27	4736083	2021033700931426	ASUTKAR MAYUR ANIL	Ab	57/61
28	4736084	2021033700945001	BATTALWAR SHANKAR RAVI	16	S.P. Bhat
29	4736085	2021033700881235	NAKSHINE DUSHALA RAMKRUSHNA	32	D. Prashant
30	4736086	2021033700881274	DANAO PORNIMA NATTHU	30	P.N. Desai
31	4736087	2021033700893043	BORKUTE PRATHAM KAILASH	48	Rathe
32	4736088	2021033700890296	JAMBHULE PRANITA PANDURANG	Ab	
33	4736089	2021033700897652	ATRAM RAMESH PRAKASH	Ab	
34	4736090	2021033700951647	KALASKAR RAJAT ANANDRAO	19	V. Lakshmi
35	4736091	2021033700931457	BODHE PRATIK MAROTI	Ab	
36	4736092	2021033700890234	ZADE PRAGATI VASANTA	17	Prashant
37	4736093	2021033700890281	KALE ANIKET PRABHAKAR	Ab	
38	4736094	2021033700893743	GOWARDIPE KARISHMA SANJAY	26	V. Srinivasan
39	4736095	2021033700892272	BALKI VAISHALI PURUSHOTTAM	38	V.P. Bhatki
40	4736096	2021033700893712	BARSAGADE AMIT VYANKATRAO	Ab	
41	4736097	2021033700893727	KAMATWAR YASH RAMA	21	Prashant
42	4736098	2021033700902744	GAJBHE AMIT BHASKAR	Ab	
43	4736099	2021033700989007	PIJDURKAR KRUNAL SHRIRAM	Ab	

Seal

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Dr. L.S. Ladke  
Principal

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Date

Instruction

1. While entering the marks, please ensure a clear, legible hand-writing, without any scribbles or over-writing.
2. In case of scratches, over-writing or corrections, please re-write the marks completely with your signature.
3. Use English number while entering the marks.
4. Usage of whitener is strictly prohibited.

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

College Preliminary Exam 24/10-2022

**Blank Mark List For**  
**B.SC.(with Credits) - Regular-CBCS Pattern - FY B.SC. - SEM II For Summer 2022**  
**College : Nilkanthrao Shinde Science & Arts College, Bhadrawati, Dist. Chandrapur. (316), Main Road Bhadrawati**  
**Ta. Bhadrawati Dist. Chandrapur, Chandrapur, Bhadrawati, Chandrapur Pin: 442402**

Paper Name: **BOTANY II (TAXONOMY & DIVERSITY OF ANGIOSPERMS) (012B)** Theory CA (Max Mark: 10 Min Mark: 0) Count of Student: 31

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3/2

3/2  
3/2

Sr. No.	Seat Number	PRN	Student Name	Marks	Total
1	4949578	2021033700678157	YERGUDE SAKSHI ANIL	24	Sighita
2	4949580	2021033700678207	NIRANJANE PALAK PRAKASH	ABSENT	Ayeyge
3	4949582	2021033700744533	GHODMARE VAISHNAVI BHOJRAJ	ABSENT	
4	4949587	2021033700974004	KADUKAR MADHAVI BANDUJI	32	MVA
5	4949588	2021033700805842	ZADE CHAITALI RAMKRUSHNA	29	Padde
6	4949589	2021033700805857	HELWATE PRAGATI SURESH	27	P.S. Helwate
7	4949590	2021033700808481	JADHAO SAKSHI VINOD	26	Pratibha
8	4949591	2021033700808507	DHOKE SAKSHI VINOD	33	
9	4949592	2021033700945016	SHEIKH RUHINA PARVIN MO SHAGIR	ABSENT	
10	4949593	2021033700988952	POTRAJE SNEHA RAMESH	29	Shaloni
11	4949596	2021033700773006	KUMAR SHALONI ANIL	ABSENT	
12	4949598	2021033700608473	WARARKAR PURVA SANTOSH	ABSENT	Shaloni
13	4949600	2021033700710857	TANDULKAR VAISHNAVI BHAGWAN	20	Wan
14	4949602	2021033700714832	MARAPELLI YAMINI KOMURAIHAH	ABSENT	
15	4949610	2021033700738907	RAM AMRITA RAGHUNATH	20	Shr
16	4949618	2021033700712551	MATTE DIPTI SUNIL	ABSENT	Matte
17	4949619	2021033700712566	VAIDYA SAKSHI SUNIL	17	Sakshi
18	4949620	2021033700737935	RUYARKAR CHETAN KISHOR	14	Chetan
19	4949622	2021033700811943	SHENDE DEVAKI DNYANDEO	19	Shende
20	4949623	2021033700811951	DEOGADE SIMRAN UMESHWAR	14	Simran
21	4949634	2021033700738923	TAJANE NEHA BHALCHANDRA	11	Neha
22	4949636	2021033700738946	BAWANE TEJASWI SUNIL	15	Tejaswi
23	4949637	2021033700710834	NANDURKAR ACHAL SURESH	16	Achal
24	4949644	2021033700737982	CHOPKAR VAISHNAVI RAVINDRA	18	R.Chopka
25	4949647	2021033700678173	WANKHEDE KOMAL KAWADU	22	Komal
26	4949650	2021033700712512	MUKADE ANKIT GANESH	22	Ankit

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- Instruction**
1. While entering the marks, please ensure a clear, legible hand-writing, without any scratches or over-writing.
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  3. Use English number while entering the marks.
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Blank Mark List For						
B.SC.(with Credits) - Regular-CBCS Pattern - FY B.SC. - SEM II For Summer 2022						
College : Nilkanthrao Shinde Science & Arts College, Bhadrawati, Dist. Chandrapur. (316), Main Road Bhadrawati Ta. Bhadrawati Dist. Chandrapur, Chandrapur, Bhadrawati, Chandrapur Pin: 442402						
Paper Name:		BOTANY II (TAXONOMY & DIVERSITY OF ANGIOSPERMS) (012B)		Theory CA	(Max Mark: 10 Min Mark: 0)	Count of Student: 31
Sr. No.	Seat Number	PRN	Student Name	Marks	Total	
27	4949651	2021033700714871	LABHANE NEHA DOMA	22	22	Sighi for
28	4949650	2021033700897675	VIRUTKAR MINAKSHI BABAN	20	20	Labhane
29	4949661	2021033700951686	NAGOSE DHANSHREE GANESH	ABSENT		Virutkar
30	4949667	2021033700973844	DEARKAR RITUJA KAILAS	25	25	Dearkar
31	4949668	2021033700988991	DOYE VAIBHAV MANOHAR	ABSENT		Doys

07/06/2022

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# College Preliminary Exam Set 13-2022

Blank Mark List For

B.Sc.(with Credits) - Regular-CBCS Pattern - SY-B.SC. - SEM IV For Summer 2022

College : Nikanthrao Shinde Science & Arts College, Bhadrawati, Dist. Chandrapur. (316), Main Road Bhadrawati Ta. Bhadrawati Dist. Chandrapur, Chandrapur, Bhadrawati, Chandrapur Pin: 442402

Paper Name: PHYSICS -II (OPTICAL PHYSICS) (USPHT08)		Theory CA		(Max Mark: 10 Min Mark: 0)	Count of Student: 65
Sr. No.	Seat Number	PRN	Student Name	Marks	Total
1	4969558	2017033700024084	KULMETHE RITESH VILAS	23	Sybil Rakshat
2	4969564	2017033700024517	NIMJE TEJASWINI PRAMOD	Absent	
3	4969567	2020033700002669	PIJDURKAR AISHWARYA RAVINDRA	Absent	
4	4969568	2020033700002671	RAIPURE PRANJALI GAMDIDAS	39	Dhanraj
5	4969571	2020033700002628	GHUGUL KRUNALI VITTHAL	15	Hemant
6	4969575	2020033700002667	PAZARE VRUSHALI ASHOK	Absent	
7	4969576	2020033700002630	GOWARDIPE PALLAVI SUNIL	21	Pranav
8	4969580	2020033700002625	DURGE GITIKA KISHOR	20	Chiranjeev
9	4969584	2020033700002676	SHEIKH SANIYA SABIR	20	Sunil
10	4969585	2020033700002679	SHIVARKAR KOMAL PANDURANG	16	
11	4969592	2020033700014526	DAHULE HITESH ASHOK	21	
12	4969594	2020033700014528	DURYODHAN AKSHAY NANDU	Absent	
13	4969596	2020033700002636	JIWTODE TUMESHWARI SHARAD	22	Pranav
14	4969598	2020033700002638	KAKDE ARATI SUNIL	21	Aaksh
15	4969599	2020033700002639	KAKDE PRACHI HARIDAS	17	P.H. Karde
16	4969603	2020033700002622	DONGE KUNAL SUNIL	22	K. Donge
17	4969604	2020033700002623	DOPPALA AJAY CHANNAYYA	Absent	
18	4969612	2020033700014524	AMBILKAR PRIYA RAJU	28	Pranav
19	4969613	2020033700020629	NANDE VIPUL GOVINDA	20	Vinay
20	4969616	2020033700020626	DIXIT RAJYASHREESUNIL	22	Pranav
21	4969618	2018033700011676	BODHE MAYURI DIPAK	23	Pranav
22	4969619	2020033700020627	KALE PALLAVI SHAMDEO	31	Pranav
23	4969621	2020033700002688	TONGE KRUPALI AMBADAS	27	K.A. Tonge
24	4969622	2020033700002689	TUNGAPINDI PRAJOT NAGRAJ	Absent	
25	4969623	2020033700002609	AWALE ACHAL ARVIND	Absent	
26	4969628	2020033700002859	NIMBALKAR JANVI PRAKASH	Absent	

10  
12  
10  
10

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Total Students: 65  
 Present: 47  
 Absent: 18

Dr. S. R. Bedare  
 N.S. College Bhadrawati  
 Date: \_\_\_\_\_

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

Instruction  
 1. While entering the marks, please ensure a clear, legible hand-writing, without any scratches or over-writing.  
 2. In case of scratches, over-writing or corrections, please re-write the marks/answers, and give signature.  
 3. Use English number while entering the marks.  
 4. Usage of whitener is strictly prohibited.



Exam

Blank Mark List For

B.SC.(with Credits) - Regular-CBCS Pattern - SY B.SC. - SEM IV For Summer 2022

College : Nilkanthrao Shinde Science & Arts College, Bhadrawati, Dist. Chandrapur. (316), Main Road Bhadrawati Ta. Bhadrawati Dist. Chandrapur, Chandrapur, Bhadrawati, Chandrapur Pin: 442402

Paper Name: PHYSICS -II (OPTICAL PHYSICS) (USPHT08)		Theory CA (Max Mark: 10 Min Mark: 0)		Count of Student: 65	
Sr. No.	Seat Number	PRN	Student Name	Marks	Total
27	4969629	2020033700002685	TELANG TEJAS DIPAK	26	Sighin
28	4969630	2020033700002686	THAKUR KOMAL CHATRAPATI	45	Abhishek
29	4969631	2020033700002687	THENGNE HITAKSHI MILIND	42	Abhinav
30	4969632	2020033700002607	ALI IRAMNAJ SARFARAJ	Absent	Abhinav
31	4969633	2020033700002608	MAHEK MUSHTAQ SAYYAD	Absent	
32	4969634	2020033700002643	KAREKAR PRITI VIJAY	23	Abhishek
33	4969635	2020033700002644	KATKAR RACHI WARLU	Absent	
34	4969637	2020033700002647	KHARWADE KHUSHI MADHUKAR	43	Abhishek
35	4969638	2020033700002648	KSHIRSAGAR ATIK BALKRUSHNA	27	Abhishek
36	4969639	2020033700002656	NAKSHINE SAHIL VINOD	Absent	
37	4969641	2020033700011527	ALLAKATLA SAIVAMSHI YADAGIRI	Absent	
38	4969644	2020033700011530	DAOGAOKAR PRATIK JAGDISH	16	Abhishek
39	4969649	2020033700011539	PATIL NIKANKSHA PRAMOD	27	Abhishek
40	4969650	2020033700011540	SHIWARAKAR GANESH HANUMAN	Absent	
41	4969651	2020033700011541	SUNDARGIRI RAJESHWARI SHANKAR	43	Rajeshwari
42	4969657	2020033700002615	BODHANE PRAJAKTA NATTHU	38	Abhishek
43	4969658	2020033700002616	BOINWAR DIPALI SUNIL	36	Abhishek
44	4969659	2020033700002635	JIDGALWAR ACHAL RAVINDRA	34	Abhishek
45	4969661	2020033700002642	KANNAKE JYOTI KASHINATH	32	Abhishek
46	4969667	2020033700002655	NAGPURE DARSHANA DILIP	19	Nagpure
47	4969668	2020033700011534	KUMAR KESHAV ANIL	Absent	
48	4969671	2020033700011537	MASALKAR RAHUL SANJAY	42	Rahul
49	4969672	2020033700011524	TATED VIBHA SANTOSHKUMAR	48	Vibha
50	4969673	2020033700011525	TIWARI AISHWARYA RAJIVKUMAR	49	Aishwarya
51	4969674	2020033700011526	YADAV SAMEER RAMCHANDRA	27	Sameer
52	4969675	2020033700002610	BAGADE PRACHI SURESH	29	Prachi

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Seal

Signature of Examiner

Date

Principal

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

Instruction

1. While entering the marks, please ensure a clear, legible hand-writing, without any scratches or over-writing.
2. In case of scratches, over-writing or corrections, please re-write the marks separately with a blue ball pen.
3. Use English number while entering the marks.
4. Usage of whitener is strictly prohibited.



~~Blank Mark List For~~ *Prdlim Exam - 30th - 2022*



Blank Mark List For

B.SC.(with Credits) - Regular-CBCS Pattern - SY B.SC. - SEM IV For Summer 2022

College : Nilkanthrao Shinde Science & Arts College, Bhadrawati, Dist. Chandrapur. (316), Main Road Bhadrawati Ta. Bhadrawati Dist. Chandrapur, Chandrapur, Bhadrawati, Chandrapur Pin: 442402

Paper Name: PHYSICS -II (OPTICAL PHYSICS) (USPHT08)		Theory CA		(Max Mark: 10 Min Mark: 0)		Count of Student: 65
Sr. No.	Seat Number	PRN	Student Name	Marks	Total	
53	4969676	2020033700002611	BALPANE SUPRIYA VITTHAL	24		<i>Supriya</i>
54	4969677	2020033700002612	BAWANE MAHESH CHINDHUJI	42		<i>Mahesh</i>
55	4969678	2020033700002633	JAMBHULKAR NIKITA VITTHAL	54		<i>Nikita</i>
56	4969679	2020033700002634	JAWALE ANUSHKA RAJU	45		<i>Anushka</i>
57	4969682	2020033700002695	YELANE PRITI GOPICHAND	39		<i>P. G. Yelane</i>
58	4969685	2020033700002674	SHEIKH ALISHANAAZ ABDUL SALAM	50		<i>Alishanaaz</i>
59	4969686	2020033700002690	VIDHATE PRASAD SUBHASH	41		<i>P. Vidhate</i>
60	4969687	2020033700002691	VYAVAHARE DIVYA DIPAK	37		<i>Divya</i>
61	4969689	2020033700010767	KOHALE PRAJAKTA DILIP			
62	4969690	2020033700020837	SOYAM DIPAK RAVJI	Absent		
63	4969692	2020033700020635	WARGANTIWAR PRATIK KISHOR	41		<i>Pratik</i>
64	4969694	2020033700020836	SINGH SANDEEP SURENDRA	19		<i>Sanjay</i>
65	4969695	2020033700022110	GANDHARE SWAPNIL MAHADEO	Absent		

*21*

Seat	 Signature of Examiner
Instruction 1. While entering the marks, please ensure a clear, legible hand-writing, without any scratches or over-writing. 2. In case of scratches, over-writing or corrections, please re-write the marks separately with <b>Dr. G. Ladke</b> 3. Use English number while entering the marks. 4. Usage of whitener is strictly prohibited.	Date   <b>PRINCIPAL</b> <b>N.S. Science &amp; Arts College</b> <b>Bhadrawati, Dist. Chandrapur</b>

**Nilkanthrao Shinde Science & Arts College,**  
Bhadrawati, Dist. Chandrapur

**Preliminary MCQ Exam-Summer 2022**

Class :B.Sc. Sem-II                      PaperNo./Name: I- Operating System and Linux  
Subject :Computer Science              Time : 75 Min.      Max. Marks: 50

**Note: Attempt any 50 Questions**

- Q. 1. How many types of operating system are there?  
a) One                                      b) Two  
c) Three                                    d) Four
- Q. 2. Communication between user and computer is known as  
a) User interface                      b) system interface  
c) GUI                                        d) none of these
- Q. 3. Who controls I/O of the Operating system?  
a) I/O management                    b) shifted management  
c) slider management                 d) all of these
- Q. 4. Time sharing is the logical extension of \_\_\_\_  
a) multiprogramming                 b) multiprocessing  
c) timely management                d) all of these
- Q. 5. In how many components the computer system gets divided?  
a) one                                        b) two  
c) three                                      d) four
- Q. 6. The execution of program software gets done in?  
a) process management                b) main memory  
c) protection system                    d) i/o management
- Q. 7. Secondary storage devices are \_\_\_\_  
a) temporary                              b) permanent  
c) neutral                                    d) none of these
- Q. 8. Cables and wirings are used by \_\_\_\_  
a) internet                                 b) networking  
c) shifting                                    d) spooling
- Q. 9. Deamons are \_\_\_\_  
a) terminal process                      b) server process  
c) vision process                         d) spooling process
- Q. 10. PC stands for \_\_\_\_  
a) program counter                     b) program converter  
c) physical converter                    d) none of these
- Q. 11. How many types of shells are there?  
a) one                                        b) two  
c) three                                      d) four
- Q. 12. c shell was developed by  
a) steve bourne                          b) Bell joy  
c) hanner told                             d) none of these

  
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- Q. 13 Which command is used to remove a directory?  
 a) rmdir b) mkdir  
 c) cp d) mv
- Q. 14 Id command displays the \_\_\_\_\_ value  
 a) alphabetic b) numeric  
 c) shifted d) all of these
- Q. 15 Which command is used to print the calendar?  
 a) date b) cal  
 c) mv d) md
- Q. 16 Shell programming offers to execute a set of  
 a) commands b) tools  
 c) features d) mixtures
- Q. 17 Shell scripts is similar to \_\_\_\_\_ in DOS  
 a) general file b) batch file  
 c) processed file d) none of these
- Q. 18 How many variables does unix supports?  
 a) one b) two  
 c) three d) four
- Q. 19 Which is the extended version of grep?  
 a) sort b) ggrep  
 c) egrep d) all of these
- Q. 20 How many types of permission commands are there?  
 a) one b) two  
 c) three d) six
- Q. 21 An Operating System is \_\_\_\_\_ software that enables a user and higher-level application  
 a) low-level b) high level  
 c) low-high d) high low
- Q. 22 OS management of the operation and control of \_\_\_\_\_ devices,  
 a) Input b) I/O  
 c) output d) printer
- Q. 23 The user interface includes the windows, \_\_\_\_\_ and method  
 a) menus b) device  
 c) operating d) com
- Q. 24 A \_\_\_\_\_ interface is included in all major operating systems  
 a) Line b) Command  
 c) line-command d) command-line
- Q. 25 \_\_\_\_\_ management controls the time and sequence that applications are run.  
 a) task b) time  
 c) job d) user
- Q. 26 multitasking is nothing but \_\_\_\_\_ switching  
 a) job b) task  
 c) time d) non of above

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- Q. 27 Data management keeps track of the \_\_\_\_\_ on the disk or in solid state storage.  
 a) data  
 b) time  
 c) file  
 d) folder
- Q. 28 Operating systems provide \_\_\_\_\_ protection to keep unauthorized users out of the system.  
 a) login  
 b) password  
 c) antivirus  
 d) virus
- Q. 29 In a multiprogramming system there are \_\_\_\_\_ programs loaded in main memory  
 a) One  
 b) two  
 c) three  
 d) one or many
- Q. 30 RTOS is a multitasking operating system designed for \_\_\_\_\_ applications.  
 a) time  
 b) multiple  
 c) real-time  
 d) tasking
- Q. 31 A \_\_\_\_\_ is basically a program in execution  
 a) process  
 b) time  
 c) disk  
 d) drive
- Q. 32 A process is divided into four sections stack, \_\_\_\_\_, text and data.  
 a) input  
 b) heap  
 c) output  
 d) I/O
- Q. 33 The \_\_\_\_\_ section contains the global and static variables.  
 a) heap  
 b) stack  
 c) text  
 d) data
- Q. 34 \_\_\_\_\_ devices can be roughly categorized as storage, communications, user-interface, and other  
 a) output  
 b) input  
 c) I/O  
 d) storage
- Q. 35 Devices communicate with the computer via signals sent over wires or through the \_\_\_\_  
 a) text  
 b) image  
 c) picture  
 d) air
- Q. 36 A common set of wires connecting multiple devices is termed a \_\_\_\_\_.  
 a) bus  
 b) wire  
 c) group of wire  
 d) single wire
- Q. 37 Secondary memory is the \_\_\_\_\_ and cheapest form of memory  
 a) fast  
 b) slowest  
 c) higher  
 d) lower
- Q. 38 Example of network operating systems is \_\_\_\_\_.  
 a) Novell Netware  
 b) Netware Novell  
 c) Nov Netware  
 d) Netware Nov

  
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- Q. 39 \_\_\_\_\_ refers to identifying each user of the system and associating the executing programs with those users.
- a) protection
  - b) privacy
  - c) Authentication
  - d) absolute
- Q. 40 \_\_\_\_\_ passwords provide additional security along with normal authentication.
- a) Two time
  - b) One-time
  - c) Three time
  - d) Four time
- Q. 41 \_\_\_\_\_ Provides mandatory protection system
- a) Type A
  - b) Type B
  - c) Type C
  - d) Type D
- Q. 42 A command \_\_\_\_\_ is a program which reads the instructions given by the user.
- a) interpreter
  - b) compiler
  - c) decoder
  - d) coder
- Q. 43 In UNIX systems, command operators are called \_\_\_\_\_.
- a) cell
  - b) shells
  - c) Sells
  - d) hells
- Q. 44 \_\_\_\_\_ is the initial state when a process is first started/created.
- a) Start
  - b) begain
  - c) first
  - d) initial
- Q. 45 \_\_\_\_\_ access file organization provides, accessing the records directly.
- a) sequential
  - b) random
  - c) hybrid
  - d) not in order
- Q. 46 An \_\_\_\_\_ is created for each file which contains pointers to various blocks.
- a) sequence
  - b) inline
  - c) outline
  - d) index
- Q. 47 Linux is one of popular version of \_\_\_\_\_ operating System.
- a) DOS
  - b) MS-DOS
  - c) UNIX
  - d) UINX
- Q. 48 \_\_\_\_\_ is the core component of Operating System, interacts directly with hardware
- a) major
  - b) gernal
  - c) kernel
  - d) solder
- Q. 49 \_\_\_\_\_ programs are responsible to do specialized, individual level tasks.
- a) system utility
  - b) utility
  - c) major utility
  - d) system
- Q. 50 \_\_\_\_\_ which has no access to system hardware and kernel code.
- a) supervisor
  - b) user mode
  - c) edit mode
  - d) compile mode

  
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- Q. 51 \_\_\_\_\_ holds important files during boot-up process  
a) /soid    b) /hold  
c) /boot                                         d) /soot
- Q. 52 \_\_\_\_\_ is the home directory of root user  
a) /rut    b) /root  
c) /soot                                         d) /run
- Q. 53 \_\_\_\_\_ is Shell file  
a) .shell                                        b) .sh  
c) .she                                         d) .hell
- Q. 54 Most modern Linux and UNIX limit filename to \_\_\_\_\_ characters  
a) 257                                         b) 256  
c) 255                                         d) 254
- Q. 55 \_\_\_\_\_ command is used to send a signal to a process.  
a) hill                                         b) bill  
c) cill                                         d) kill
- Q. 56 \_\_\_\_\_ command is used to Reports a snapshot of the status of currently running processes.  
a) ps                                         b) sp  
c) pp                                         d) ss
- Q. 57 \_\_\_\_\_ command is used to changes the owner and owning group of files.  
a) chrown                                      b) trown  
c) chown                                      d) around
- Q. 58 \_\_\_\_\_ command is used to sort the contents of a text file, line by line.  
a) sort                                        b) cat  
c) gp                                         d) rat
- Q. 59 Communication in \_\_\_\_\_ is subdivided into two categories; the Online Communication and the Offline Communication.  
a) Unix                                         b) Linux  
c) windows                                    d) Macintosh
- Q. 60 A shell script is a \_\_\_\_\_ file that contains a sequence of commands for a LINUX-based operating system.  
a) image                                        b) text  
c) random                                      d) picture

  
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-Nilkanthrao Shinde Science and Art's College, Bhadrawati, Dist - Chandrapur  
Preliminary Exam 2022  
B.Sc.-II (Sem-IV)  
Paper-I (Algebra)(CBCS)

Marks:-50

Time :-75 min

Note: Solve any 50 questions.

- 1) A group  $G, (\{0\}, +)$  under addition operation satisfies which of the following properties  
A) Closure, Identity and Inverse      B) Closure, Associativity, Abelian and Inverse  
C) Closure, Associativity, Identity and inverse      D) Closure, Abelian, Identity and Inverse
- 2) A group with an ordered pair  $(G, \cdot)$  is abelian if-----  
A)  $a \cdot b = b \cdot a$       B)  $a + b = b + a$       C)  $a - b = b - a$       D) none of the above
- 3) The identity of a group  $G$  is-----  
A) Unique      B) Non-unique      C) Abelian      D) Non-abelian
- 4) The set  $G = \{1, -1, i, -i\}$  with the usual multiplication of complex numbers form an-----  
A) Subgroup      B) Abelian group      C) Permutation group      D) None of the above
- 5) If  $G$  is a group such that  $(ab)^2 = a^2 b^2$  if and only if  $G$  is-----  
A) Abelian group      B) Non abelian group      C) Commutative subgroup      D) None of the above
- 6) A monoid is always a-----  
A) Group      B) Abelian group      C) Subgroup      D) Semigroup
- 7) The set of integers under subtraction is not a group because  
A) Subtraction is not associative      B) There is no identity element for subtraction  
C) Every element does not have an inverse      D) Subtraction is not commutative
- 8) If  $G$  is a group in which  $(ab)^i = a^i b^i$  for three consecutive integers  $i$  for all  $a, b \in G$  if and only if  $G$  is  
A) Subgroup      B) Commutative subgroup      C) Abelian group      D) Non-abelian group
- 9) If  $H$  and  $K$  are subgroup of  $G$  with indices 3 and 5 in  $G$ , then index of  $HK$  is-----  
A) 3      B) 5      C) Not more than 8      D) Multiple of 15
- 10) For any group the order of an identity is-----  
A) 0      B) 1      C) 2      D) None of the above
- 11) How many generator are these of the cyclic group  $G$  of order 8?  
A) 1      B) 2      C) 3      D) 4
- 12) Every cyclic group is-----  
A) Non-cyclic      B) Abelian      C) Non-abelian      D) None of the above
- 13) The product of the cycle  $(1\ 3\ 2\ 5)(1\ 4\ 3)(2\ 5\ 1)$  is-----  
A)  $(1\ 2)(3\ 5\ 4)$       B)  $(1\ 3\ 5)(4\ 5)$       C)  $(1\ 2)(1\ 3\ 5)$       D)  $(1\ 3)(3\ 5\ 4)$
- 14) Let  $A = \begin{pmatrix} 1 & 2 & 3 & 4 & 5 \\ 2 & 3 & 1 & 5 & 4 \end{pmatrix}$  and  $B = \begin{pmatrix} 1 & 2 & 3 & 4 & 5 \\ 1 & 3 & 4 & 5 & 2 \end{pmatrix}$  be the permutation of  $S = \{1, 2, 3, 4, 5\}$  then  $AB$  equal to-----

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$$A) \quad AB = \begin{pmatrix} 1 & 2 & 3 & 4 & 5 \\ 2 & 3 & 1 & 5 & 4 \end{pmatrix}$$

$$B) \quad AB = \begin{pmatrix} 1 & 2 & 3 & 4 & 5 \\ 1 & 3 & 4 & 5 & 2 \end{pmatrix}$$

$$C) \quad AB = \begin{pmatrix} 1 & 2 & 3 & 4 & 5 \\ 3 & 2 & 1 & 4 & 5 \end{pmatrix}$$

$$D) \quad AB = \begin{pmatrix} 1 & 2 & 3 & 4 & 5 \\ 3 & 4 & 1 & 2 & 5 \end{pmatrix}$$

- 15) A cycle of length 2 is called a-----  
 A) Permutation      B) Transposition      C) Odd permutation      D) None of above
- 16) If H be a subgroup of G and  $a \in G$  then the set  $a * H$  is called the -----  
 A) Left coset      B) Right coset      C) Sub coset      D) None of these
- 17) Any two right cosets of a subgroup are either disjoint or -----  
 A) Inverse      B) Identical      C) Joint      D) None of these
- 18) The Lagrange's theorem specifies  
 A) The order of semi group is finite  
 B) The order of abelian group is infinite  
 C) The order of each subgroup of a finite group is a divisor of the order of group  
 D) The order of subgroup of infinite group is a divisor of the subgroup
- 19) A N is normal subgroup of G if and only if-----  
 A)  $gNg^{-1} = N, \forall g \in G$       B)  $Ng^{-1} = Ng, \forall g \in G$       C)  $Ng = Ng^{-1}, \forall g \in G$       D)  $Ng^{-1} = N, \forall g \in G$
- 20) The intersection of two normal subgroups of G is -----  
 A) Normal subgroup      B) Cyclic but not normal      C) Normal group      D) None of these
- 21) If N is a normal subgroup of G and H is any subgroup of G then NH is  
 A) A Group      B) A subgroup      C) A simple group      D) None of these
- 22) How many normal subgroup does a nonabelian group G of order 21 have other than the identity subgroup {e} and G?  
 A) 0      B) 1      C) 3      D) 7
- 23) If G is a group of order 11, which of the following statement is false?  
 A) G is abelian      B) G is simple  
 C) There is an element of order 11 in G      D) There exist an element of order 5 in G
- 24) The number of proper normal subgroup of the symmetric group  $S_4$  is  
 A) 0      B) 1      C) 2      D) 3
- 25) If  $G = \langle a \rangle$  is a cyclic group of order 8 then the quotient group corresponding to subgroup H generated by  $a^2$  is -----  
 A)  $G/H = \{1, H\}$       B)  $G/H = \{H, Ha\}$       C)  $G/H = \{H, Ha, Ha^2\}$       D)  $G/H = \{H, Ha, Ha^2, Ha^3\}$
- 26) The Identity element of the quotient group  $G/H$  is-----  
 A) 0      B) 1      C) G      D) H
- 27) If G is a finite group and N is a normal subgroup of G, then  $\phi(G/N) =$  -----  
 A)  $\phi(G) + \phi(N)$       B)  $\phi(G) - \phi(N)$       C)  $\phi(G) \times \phi(N)$       D)  $\phi(G) / \phi(N)$

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- 28) If  $G$  is abelian then the quotient group  $G/N$  is-----  
 A) Normal                      B) Subgroup                      C) Abelian                      D) None of these
- 29) Let  $G$  be a group of order 30. Let  $A$  and  $B$  be normal subgroup of orders 2 and 5 respectively. Then the order of the group  $G/AB$  is  
 A) 10                      B) 3                      C) 6                      D) 7
- 30) Consider the additive quotient group  $\mathbb{Q}/\mathbb{Z}$ . The order of  $(2/3)+\mathbb{Z}$  in  $\mathbb{Q}/\mathbb{Z}$  is  
 A) 4                      B) 3                      C) 6                      D) 8
- 31) Let  $G$  and  $G'$  be two groups. A mapping  $\phi: G \rightarrow G'$  is called a homomorphism if  
 A)  $\phi(ab) = \phi(a) + \phi(b), \forall a, b \in G$                       B)  $\phi(a+b) = \phi(a) + \phi(b), \forall a, b \in G$   
 C)  $\phi(a+b) = \phi(a)\phi(b), \forall a, b \in G$                       D) None of these
- 32) A mapping  $\phi$  is defined by  $\phi(x) = 2x$  and  $\phi(x+y) = \phi(x) + \phi(y)$  is called  
 A) Homomorphic                      B) Heteromorphic                      C) Isomorphic                      D) None of these
- 33) Let  $G$  be a finite group and  $\phi: G \rightarrow G'$  be a surjective group homomorphism. Which of the following is true?  
 A)  $|\phi^{-1}(a)| = |\text{Ker}\phi|$  for all  $a \in G'$                       B)  $|\text{Ker}\phi|$  is a normal subgroup of  $G$   
 C)  $|\text{Ker}\phi| = \{e\}$  if  $|G| = |G'|$                       D)  $|\text{Ker}\phi| = G$  if  $|G| \neq |G'|$
- 34) An isomorphism of a group onto itself is called an  
 A) Automorphism                      B) Homomorphism                      C) Isomorphism                      D) Heteromorphism
- 35) If  $G$  is a group of nonzero real numbers under multiplication  $\phi: G \rightarrow G$  such that  
 $\phi(x) = x^2, \forall x \in G$  then  $\phi$  is  
 A) Homomorphism                      B) Not homomorphism                      C) Isomorphism                      D) Not isomorphism
- 36) Which of the following statements is correct?  
 A) Every group is isomorphic to a permutation group  
 B) A group  $G$  is isomorphic to a permutation group iff it is finite  
 C) A group  $G$  is commutative iff it is cyclic  
 D) A group  $G$  is non-abelian iff order of  $G$  is not prime
- 37) If  $G$  is a group of nonzero real numbers under multiplication  $\phi: G \rightarrow G$  such that  
 $\phi(x) = x^2, \forall x \in G$ . Determine the Kernel,  $K$  is equal to  
 A)  $\{0\}$                       B)  $\{1, -2\}$                       C)  $\{2, 1\}$                       D)  $\{-1, 1\}$
- 38) A homomorphism  $\phi$  of  $G$  into  $G'$  with kernel  $K_\phi$  is an isomorphism of  $G$  into  $G'$  if and only if  
 A)  $K_\phi = \{1\}$                       B)  $K_\phi \neq \{1\}$   
 C)  $K_\phi = \{e\}$ , where  $e$  is identity of  $G$                       D)  $K_\phi \neq \{e\}$ , where  $e$  is identity of  $G$
- 39) Every homomorphic image of a cyclic group is-----  
 A) Cyclic                      B) Quotient                      C) Subgroup                      D) None of these
- 40) Up to isomorphism, the number of abelian groups of order 6 is-----  
 A) 2                      B) 4                      C) 1                      D) 3

  
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- 41) Statement of Fundamental theorem on Homomorphism is
- Let  $\phi$  is a homomorphism of  $G$  into  $G'$  with Kernel  $K$ , then  $K$  is a normal subgroup of  $G$
  - Let  $\phi$  is a homomorphism of  $G$  into  $G'$  with Kernel  $K$ , then  $G/K \cong G'$
  - A homomorphism  $\phi$  of  $G$  into  $G'$  with kernel  $K_\phi$  is an isomorphism of  $G$  into  $G'$  if and only if  $K_\phi = \{e\}$ , where  $e$  is identity of  $G$
  - Any kernel  $K$  is non-empty
- 42) Which of the following statement is false?
- Every homomorphic image of a group  $G$  isomorphic to some quotient group of  $G$
  - Any infinite cyclic group is isomorphic to the additive group of integers
  - Any kernel  $K$  is empty
  - Every group is isomorphic to a permutation group
- 43) Any finite cyclic group of order  $n$  is -----
- Isomorphic to quotient group
  - Isomorphism to quotient group
  - Homomorphic to quotient group
  - Homomorphism to quotient group
- 44) Let  $G$  be a group, then  $G$  is -----
- isomorphic to a permutation group only if  $G$  is finite
  - always isomorphic to a subgroup of group of permutations
  - never isomorphic to a permutation group
  - isomorphic to a permutation group only if  $G$  is infinite
- 45) If  $p$  is a prime number, the number of group homomorphism from  $Z_p$  to  $Z$  is
- 0
  - infinity
  - $p$
  - 1
- 46) An algebraic system  $(R, +, \cdot)$  consisting of a nonempty set  $R$  is called an associative ring if
- $(R, +)$  is an abelian group, Multiplication  $\cdot$  is associative, multiplication is distributive over addition
  - $(R, +)$  is an abelian group, Multiplication  $+$  is associative, multiplication is distributive over addition
  - $(R, +)$  is an abelian group, Multiplication  $\cdot$  is associative, multiplication is distributive over addition
  - $(R, +)$  is an abelian group, Multiplication  $\cdot$  is associative, multiplication is distributive over subtraction
- 47) Any natural number  $Z_n = \{0, 1, 2, \dots, n-1\}$  is a commutative ring with unity under the addition and multiplication of
- Integer modulo  $n$
  - Integer modulo  $n+1$
  - Integer modulo  $n-1$
  - Integer modulo  $n!$
- 48) Which of the following statement is correct?
- $(Z, +, \cdot)$  is a commutative ring
  - $(Z, +, +)$  is a commutative ring
  - $(Z, \cdot, \cdot)$  is a commutative ring
  - $(Z, +, \cdot)$  is a commutative ring
- 49) The set  $\{0, 2, 4\}$  under addition and multiplication modulo 6 is
- not a ring with unity(identity)
  - a ring with 0 as unity(identity)
  - a ring with 2 as unity(identity)
  - a ring with 4 as unity(identity)
- 50) A nonempty subset  $S$  of a ring  $R$  is a subring of  $R$  if and only if -----

  
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- A)  $x + y, xy \in S, \forall x, y \in S$   
 B)  $x - y, xy \in S, \forall x, y \in S$   
 C)  $x \pm y, xy \in S, \forall x, y \in S$   
 D)  $x / y, xy \in S, \forall x, y \in S$
- 51) If  $s_1, s_2$  be subring of a ring  $R$  then  $s_1 \cap s_2$  is-----  
 A) a Subring      B) not a subring      C) a ring      D) none of these
- 52) Let  $R$  be a ring with unity  $e$  such that  $A = \{ne | n \in \mathbb{Z}\}$  is -----  
 A) a subring of  $R$       B) not a subring of  $R$       C) integral domain of  $R$       D) a field of  $R$
- 53) Which one of the following Rings is a Ring not without zero divisor?  
 A)  $(\mathbb{Q}, +, \cdot)$       B)  $(\mathbb{R}, +, \cdot)$       C)  $(\mathbb{C}, +, \cdot)$       D)  $(\mathbb{N}, +, \cdot)$
- 54) A ring  $R$  without zero divisor if and only if  
 A) The left cancellation law hold in  $R$       B) The right cancellation law hold in  $R$   
 C) The left and right cancellation law hold in  $R$       D) none of these
- 55) A ring is an integral domain if  
 (I) it is commutative  
 (II) it has no zero divisors  
 A) Only (I) is true      B) Only (II) is true  
 C) Both (I) and (II) are true      D) Both (I) and (II) are not true
- 56) Which of the following is not integral domain?  
 A)  $\mathbb{Z}[x]$       B)  $\mathbb{Z}[\sqrt{2}] = \{a + \sqrt{2}b | a, b \in \mathbb{Z}\}$       C)  $(\mathbb{Z}_p, +_p, \cdot_p)$       D)  $\mathbb{Z} \oplus \mathbb{Z}$
- 57) An integral domain is  
 A) Always a field      B) Never a field      C) A field when it is finite      D) none of these
- 58) The number of subfield having 4 elements in a field of 84 elements is  
 A) 0      B) 1      C) 2      D) 5
- 59) If  $(R, +, \cdot)$  is a ring in which  $x^2 = x, \forall x \in R$ , then  $R$  is commutative ring of characteristic = ----  
 A)  $n$       B) 0      C) 1      D) 2
- 60) Let the characteristic of the ring  $R$  be 2 and  $ab = ba, \forall a, b \in R$  then  $(a + b)^2$  is equal to  
 A)  $a^2 + b^2$       B)  $a^2 - b^2$       C)  $(a - b)^2$       D)  $a^2 + b^2 + 2ab$

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Nilkanthrao Shinde Science and Arts College, Bhadrawati, dist-  
Chandrapur  
Preliminary exam  
B.Sc. Sem II paper I (organic chemistry) (CBCS)

Time :- 75 min

Marks:- 50

attempt any 50 questions.

- 1) -----are saturated hydrocarbon, represented by general formula  $C_nH_{2n+2}$ .  
a. Alkanes    b. Alkyl halides    c. Alkyl groups    d. Alcohols
- 2) 2,2-dimethyl propane is a  
A. Primary alkyl halide    B. Secondary alkyl halide    C. Tertiary halide    D. None of the above
- 3)  
 $CH_3-CH=CH_2 + HBr \longrightarrow$   
According to Markonikoff's rule, minor product is  
a. 2-Bromopropane    b. 1-Bromopropane    c. Both of the above    d. None of the above
- 4)  
 $CH_3-CH=CH_2 + HBr \xrightarrow{\text{Peroxide}}$   
The major product is-  
a. 2-bromopropane    b. 1-bromopropane    c. Both of the above    d. None of the above
- 5) Alcohol reacts with ----- to give alkyl halides  
a. Halogen acids    b. Phosphorus halide    c. Thionyl chloride    d. All of the above
- 6) In alkyl halide the order of reactivity of alkyl group is  
a. Tertiary > secondary > primary > methyl    b. Secondary > primary > tertiary > methyl  
c. Primary > tertiary > secondary > methyl    d. Methyl > primary > secondary > tertiary
- 7)  $S_N1$  reaction is  
a. Unimolecular    b. Bimolecular    c. Trimolecular    d. None of the above
- 8) For  $S_N1$  reaction alkyl halide reactivity order is  
a. Tert > sec > pri    b. Sec > tert > pri    c. Sec > pri > tert    d. Tert > pri > sec
- 9) Stereochemistry of product obtained of alkyl halide undergo  $S_N1$  reaction  
a. Retention    b. Inversion    c. Racemic mixture    d. Non stereospecific
- 10) The incorrect statement for elimination reactions, is-  
a. Unimolecular    b. First order    c. One step reaction    d. Non stereospecific
- 11) In Sandmeyer reaction for preparation of aryl halides, the starting reagent is-  
a. Aniline    b. Benzamide    c. Phenol    d. Benzoic acid
- 12) Allyl halides can be prepared from phenol from which of the following reagents-  
a.  $PCl_5$     b.  $PCl_3$     c.  $PBr_3$     d. All of the above

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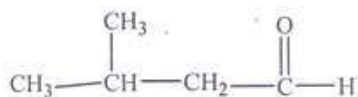
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- 13) Which group makes chlorobenzene less reactive towards nucleophilic substitution reaction-
- a.  $-\text{NO}_2$       b.  $-\text{COOH}$       c.  $-\text{CH}_3$       d.  $-\text{CHO}$
- 14) Which of the following compound is more reactive towards nucleophilic substitution reaction.
- a. 4-nitro chlorobenzene    b. 2-nitro chlorobenzene    c. 2,4- dinitro chlorobenzene  
d. 2,4,6-trinitro chlorobenzene
- 15) Which of the following statement is incorrect
- a.  $\text{S}_\text{N}1$  is unimolecular reaction    b.  $\text{S}_\text{N}2$  is second order reaction  
c.  $\text{E}1$  is one step reaction      d.  $\text{E}2$  is bimolecular reaction
- 16) When  $-\text{OH}$  group directly attached to benzene or aromatic group is known as-
- a. Benzyl alcohol    b. Cyclohexanol    c. Phenol    d. None of the above
- 17) aldehyde When reacts with Grignard reagent followed hydrolysis it gives-
- a. Primary alcohol    b. Secondary alcohol    c. Tertiary alcohol    d. None of the above
- 18) Formation of ethyl alcohol from ethyl bromide when reacts with  $\text{NaOH}$  is a
- a.  $\text{S}_\text{N}1$  reaction    b.  $\text{S}_\text{N}2$  reaction    c.  $\text{S}_\text{N}i$  reaction    d. None of the above
- 19) Lucas test is used for distinguish -----
- a. Amines    b. Alcohols    c. Carboxylic acids    d. Alkyl halides
- 20) Glycol on oxidation with nitric acid, we get -
- a. Succinic acid    b. Malonic acid    c. Oxalic acid    d. Formic acid
- 21) Oxidation of diols with lead tetra acetate gives-
- a. Ketone    b. Aldehyde    c. Carboxylic acid    d. Esters
- 22) pinacole on reaction with mineral acid and rearrange to
- a. Aldehyde    b. Ketone    c. Carboxylic acid    d. Esters
- 23) Picric acid is-
- a. 2,4 dinitrophenol    b. 2,6 dinitrophenol    c. 2,4,6 trinitrophenol    d. 2,3,5 trinitrophenol
- 24) In Reimer-Tiemann reaction, when phenol is treated with ----- in presence of base, the product obtained is-
- a. Chloroform & o-hydroxy benzaldehyde    b. Chloroform & Salicylic acid    c. Both of the above    d. None of the above
- 25) Phenol is treated with mixture of  $\text{HCN} + \text{HCl}$  an aldehyde group appears at ortho and para position. The reaction known -----
- a. Houben-hoesch condensation    b. Fries rearrangement    c. Claisen rearrangement  
d. Gattermann Koch reaction
- 26) Phenol on reaction with diazonium salt in presence of alkaline solution, gives-----
- a. p-hydroxy azo compound    b. o-hydroxy azo compound    c. m-hydroxy azo compound  
d. All of the above
- 27) Williamson synthesis is used to synthesize-
- a. Ester    b. Ether    c. Ketone    d. Aldehyde

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- 28) diethyl ether is an example  
 a. Symmetrical ether    b. Unsymmetrical ether    c. Non-symmetrical ether  
 d. None of the above
- 29) Write correct statement  
 a. Ethers are less reactive than alcohols.    b. Ethers are more reactive than alcohols.  
 c. Ethers are same reactive as alcohols.    d. None of the above
- 30) In which reaction ortho alkyl phenol are formed When allyl phenyl ether heated at 200°C,  
 a. Houben-hoesch condensation    b. Fries rearrangement    c. Claisen rearrangement  
 d. Gattermann Koch reaction
- 31) In Which aldehyde the carbon of carbonyl group attach to two hydrogen-----  
 a. Formaldehyde    b. Aldehyde    c. Acetaldehyde    d. None of the above
- 32) When one hydrogen and one alkyl group are joined with carbon of carbonyl group, then it is-----  
 a. Formaldehyde    b. Aldehyde    c. Ketone    d. None of the above.
- 33) Both the alkyl group joined to carbonyl carbon in ketones are same the ketones are  
 a. Symmetrical    b. Unsymmetrical    c. Nonsymmetrical    d. None of the above.

34) The IUPAC name of



- a. 3-methyl butanal    b. 3-ethyl 2methyl butanal    c. 2-butanone    d. 2-pentanone.

- 35) Reactivity of carbon-----if groups attached with carbonyl carbon are electron withdrawing,  
 a. Increases    b. Decreases    c. Remains same    d. None of the above.
- 36) From the following predict least reactivity of the compound  
 a. Formaldehyde    b. Acetaldehyde    c. Acetone    d. None of the above
- 37) Due to which aromatic carbonyl compounds are less reactive than aliphatic carbonyl compounds  
 a. Inductive effect    b. Resonance effect    c. Hyperconjugation    d. Mesomeric effect
- 38) Oxidation of primary alcohols gives  
 a. Formaldehyde    b. Aldehyde    c. Ketone    d. None of the above
- 39) The reduction of acid chloride to produce aldehyde by H<sub>2</sub> gas in presence of palladium catalyst over Barium Sulphate at 140° C. The reaction is-  
 a. Rosenmund reaction    b. Kolb reaction    c. Aldol reaction    d. Gattermann reaction
- 40) When Grignard reagent reacts with excess of -----, Aldehyde are obtained.  
 a. Formic ester    b. Acetone    c. Ethanol    d. Ethanoic acid
- 41) In aldol condensation the product formed is  
 a. A beta-hydroxy aldehyde or a beta-hydroxy ketone    b. An alpha-hydroxy aldehyde or ketone  
 c. alpha, beta unsaturated ester    d. a beta-hydroxy acid

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42) Catalytic decomposition of carboxylic acid gives ketones when vapours of ----- passed over heated -----catalyst.

- a. Formic acid & MnO b. Acid other than formic acid & MnO c. Both of the above & MnO d. None of the above

43) When carbon monoxide and HCl are bubbled through solution of benzene in ether, equal amount of formyl chloride is obtained. The reaction is-

- a. Rosenmund reaction b. Gattermann Koch reaction c. Kolbe reaction d. Perkin reaction

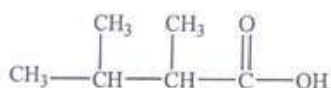
44) Diphenyl ketone is-

- a. Diaryl ketone b. Dialkyl ketone c. Diaryl aldehyde d. Dialkyl aldehyde

45) When benzene reacts with benzoyl chloride in presence of ----- benzophenone can be obtained.

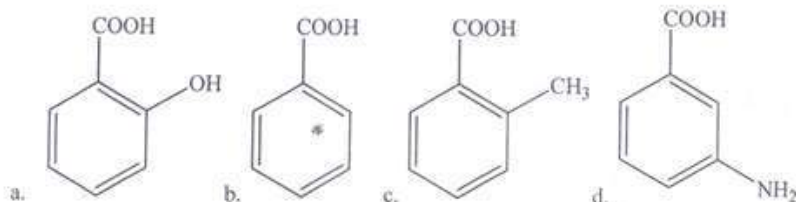
- a. AlCl<sub>3</sub> b. AlCl<sub>2</sub> c. AlCl<sub>4</sub> d. Benzyl alcohol

46) What is IUPAC name of



- a. Trimethyl acetic acid b. 2,3-Dimethyl butanoic acid c. Dimethyl propanoic acid d. 2-methyl butanoic acid

47) The correct structure of benzoic acid is



48) The carboxylic acid has

- a. Two carbonyl group and one hydroxyl group  
b. One carbonyl group and two hydroxyl group  
c. Two carbonyl group and two hydroxyl group  
d. One carbonyl group and one hydroxyl group

49) Acids are -----

- a. donate H<sup>+</sup> ions in the solution b. gives OH<sup>-</sup> ions in the solution  
c. a and b both are correct d. none of the above

50) pKa value for carboxylic acids are in between

- a. 10<sup>-3</sup> to 10<sup>-4</sup> b. 10<sup>-4</sup> to 10<sup>-5</sup> c. 10<sup>-5</sup> to 10<sup>-6</sup> d. None of the above

51) Electron releasing groups present on a carbon of carboxylic acid acidity of acid

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निकलुंहराव शिंदे विज्ञान व कला महाविद्यालय बुधवती 2/01  
सराव परिक्षा - इन्हाची २०२२

B.A.III - Sem VI th

History: Modern World (1920 to 2000 A.D.)

Time: => 75 minits

Mark: 50

सुचना : ३

- ① कोणतेही ५० प्रश्न सोडवा
- ② योग्य पर्याय निवडून उत्तर लिहा.
- ③ सर्व प्रश्नांना समान गुण आहेत.

१) जागतिक आर्थिक मंदी केला आली

- अ) 1920      ब) 1929      क) 1925      ड) 1928

२) पहिल्या महायुद्धानंतर जगभरातील जोणे या देशाकडे जमा झाले.

- अ) इंग्लंड      ब) फ्रान्स      क) अमेरिका      ड) ऑस्ट्रेलिया

३) व्हर्साय च्या तह या देशावर लाहण्यात आला.

- अ) जर्मनी      ब) इटली      क) इंग्लंड      ड) फ्रान्स

४) युद्धाकड आणि शांतता कड जांना जोडणारा लोकार्थो करार कुधी अस्तित्वात आला.

- अ) 1926      ब) 1925      क) 1924      ड) 1920

५) हिटलर ने कोणत्या पक्षाची स्थापना केली.

- अ) डॅसिस्ट पक्ष      ब) नाझी पक्ष      क) जर्मन पक्ष      ड) गॅस्टो.

६) नाझी पक्षाने कोणते विन्ड काय होते

- अ) स्वस्तिक      ब) रोमन चक्र      क) दंडका      ड) थापेकन ही

७) 'माझा लढा' (Mein Kampf) हे आवचरीत्र कुणी लिहले

- अ) स्टॅलिन      ब) मुसोलिनी      क) हिटलर      ड) चर्चिल

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8) 1922 चा रीपोलो करार या होन राष्ट्रत आला

- (अ) रशिया-जर्मनी (ब) रशिया-इंग्लंड  
(क) रशिया-फ्रान्स (ड) रशिया-जपान

9) 1934 मध्ये पोलंड वरोवर दहा वर्षांचा अनाक्रमणाचा करार  
— या देशाने केला.

- (अ) इंग्लंड (ब) फ्रान्स (क) इटली (ड) जर्मनी

10) मुसोलिनी आपल्या पहिल्या प्रथम करारासाठी — हे वर्तमान पत्र युरोपे

- (अ) जर्मनी (ब) इटलीसमाचार (क) अँटलीटीक (ड) चापेंडी नाही.

11) 1938 मध्ये अँबेसिनिचा कर — या देशाने आक्रमण केले.

- (अ) जर्मनी (ब) फ्रान्स (क) इटली (ड) अमेरिका.

12) स्पेन मध्ये कोणत्या हुकुमशाही युद्ध झाली.

- (अ) हिटलर (ब) मुसोलिनी (क) स्टालिन (ड) जनरल फ्रँको

13) रोमबर्लिन-टोकीयो अक्षात कोणती राष्ट्र समविष्ट होती.

- (अ) इंग्लंड-फ्रान्स-अमेरिका (ब) इंग्लंड-रशिया-अमेरिका  
(क) जर्मनी-इटली-जपान (ड) चापेंडी नाही.

14) म्युनिक करार कोणत्या होन राष्ट्रत झडून आला

- (अ) इंग्लंड-फ्रान्स (ब) इंग्लंड-जर्मनी  
(क) इंग्लंड-रशिया (ड) इंग्लंड-पोलंड

15) द्वितीय महायुद्धाचे तात्कालिक कारण सांगा.

- (अ) इंग्लंडवर आक्रमण (ब) पोलंडवर आक्रमण  
(क) जपानवर आक्रमण (ड) रशियावर ~~अमेरिका~~ आक्रमण.



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- २५) पल हार्वर वर कोठत्या देशाने आक्रमण केले.  
 (अ) इंग्लंड (ब) फ्रान्स (क) जपान (ड) जर्मनी.
- २६) युनोचे मुख्य कार्यालय कुठे आहे.  
 (अ) न्युयॉर्क (ब) वाशिंग्टन (क) पॅरिस (ड) थायपेकी नाही.
- २७) नाटो चे मुख्य कार्यालय कुठे आहे.  
 (अ) बेल्जियम (ब) वाशिंग्टन (क) न्युयॉर्क (ड) पॅरिस
- २८) पश्चिम जर्मनीची राजधानी ये नाव सांगा.  
 (अ) बॉन (ब) बर्लिन (क) पॅरिस (ड) थायपेकी नाही.
- २९) रशियातिल सोव्हियत सत्तेचे पतन कोठत्या वर्षी झाले.  
 (अ) १९९१ (ब) १९९२ (क) १९९३ (ड) १९९०.
- ३०) टाटा संशोधन संस्था कोठत्या वर्षी स्थापन झाली.  
 (अ) १ जुलै १९४५ (ब) १ जुलै १९४६  
 (क) १ जुलै १९४६ (ड) १ जुलै १९४४
- ३१) १९५४ मध्ये मुंबई मध्ये — येथे अनुसंधान केंद्र स्थापन झाले.  
 (अ) ठाणे (ब) तुर्ने (क) फल्याण (ड) दादर
- ३२) भारताची पहिली अनुभवी कोठत्या वर्षी सुरू झाली.  
 (अ) १९५४ (ब) १९५५ (क) १९५६ (ड) १९५३
- ३३) भारताने पहिला अणुस्फोट कुठे केला.  
 (अ) पोखरण (ब) गुजरात (क) तुर्ने (ड) भोपाल.

*J. Ladke*

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34) रशियाने 'स्पुतनिक 1' हा उपग्रह आकाशात कधी सोडला

अ) 4 ऑक्टोबर 1957

ब) 4 नोव्हें. 1957

क) 4 सप्टेंबर 1957

ड) 4 नोव्हें. 1958

35) भारतातील अनुशास्त्रज्ञात यांचा समावेश होतो.

अ) डॉ. होमी भाभा.

ब) विक्रम साराभाई

क) सेठना

ड) वरील सर्व.

36) पहिला अंतराळ (मानव) विर हा होय.

अ) युरी गागारिन

ब) युरी तेरेस्कोवा

क) मार्गरेट

ड) आर्ब्रॅटिंग

37) पहिली महिला अंतराळ विर ही आहे.

अ) तेरेस्कोवा

ब) गागारिड

क) ~~व्हॅलेन्टा~~

क) व्हॅलेन्टा

ड) मार्शेना विंगीस

38) भारताच्या पहिला अंतराळ विर.

अ) शकेबा शर्मा

ब) शकेश वर्मा

क) श्यामाप्रसाद

ड) कुर्नल राम

39) भूमण्डलवनी (Morbidity) चा शोध सर्वप्रथम या देशात लागला

अ) जपान

ब) अमेरिका

क) जर्मनी

ड) स्पेन

40) मोबाईल लघार करव्याचे अर्थ यांना जाते.

अ) जॉन मिशेल

ब) जॉन डेली

क) जॉन व्हेअरु

ड) चापेव्हीनार्ह

41) संगणक क्षेत्रात काम करणारी प्रसिद्ध वेब्टी

अ) डॉ. मार्टिन क्व्हर

ब) बिल गेट्स

क) जॉन डेली

ड) चापेव्ही नार्ह

  
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42) सिएटो (SEATO) चे मुख्य कार्यालय कुठे आहेत.

अ) वॉशिंग्टन ब) मनीला क) पॅरीस ड) न्युयॉर्क

43) नेल्सन मंडेला यांना कोणत्या वर्षी शांततेचा नोबेल पुरस्कार मिळाला.

अ) 10 डिसे. 1993 ब) 10 डिसे. 1992

क) 10 डिसे. 1994 ड) 10 डिसे. 1991.

44) सिएटो (SEATO) ची स्थापना कोणत्या वर्षी झाली.

अ) 1953 ब) 1954 क) 1955 ड) 1956.

45) दक्षिण आफ्रिका स्वतंत्र व बोअर कोठे होते

अ) झंबेझी ब) रोतकरी क) काभंगार ड) यापैकी नाही.

46) रशिया मध्ये पेरब्रगोझका व ग्लासनोस्ती कुणी आणले.

अ) स्टॅलिन ब) कुश्चेव्ह क) गोरबाचेव ड) यापैकी

47) कोणत्या वर्षी बर्लिन ची भिंत तोडण्यात आली.

अ) 1993 ब) 1992 क) 1991. ड) 1990.

48) याल्टा परिषद कोणत्या वर्षी भरली.

अ) 11 फेब्रु. 1945 ब) 11 फेब्रु. 1946.

क) 11 फेब्रु. 1946. ड) 11 फेब्रु. 1944.

49) संयुक्त राष्ट्रसंघाची स्थापना — या वर्षी झाली.

अ) 1945 ब) 1946. क) 1947. ड) यापैकी नाही.

50) जागतिक व्यापारी संघटना (WTO) कोणत्या वर्षी स्थापन झाली.

अ) 22 जाने. 1995 ब) 22 जाने. 1996.

क) 22 जाने. 1999 ड) 22 जाने. 1994



**Nilkanthrao Shinde Science & Arts College, Bhadrawati, Dist. Chandrapur (MS)**  
Session: 2021-22

Time: 1.15 hrs.

**Preliminary Examination - 2022 (MCQ)**

Marks: 50

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D</p> <p>29 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D</p> <p>30 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D</p>	<p><b>A B C D</b></p> <p>31 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D</p> <p>32 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D</p> <p>33 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D</p> <p>34 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D</p> <p>35 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D</p> <p>36 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D</p> <p>37 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D</p> <p>38 <input 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