
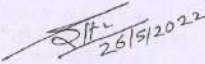


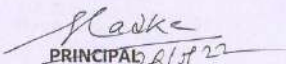
6.5.1 COLLEGE PRELIMINARY EXAM-LINK


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.	Microbiology -I	Microbiology- I	Microbiology- I
	10.15-11.30 A.M.	English		
09/06/2022	8.00-9.15 A.M.	Microbiology - II	Microbiology- II	Microbiology- II
	10.15-11.30 A.M.	Marathi / Suppl. Eng.		


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
Bhadrawati, Dist-Chandrapur


6.S.I.
Link
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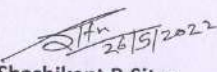
NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE BHADRAWATI

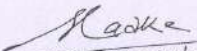
COLLEGE PRELIMINARY EXAMINATION SUMMER -2022


TIME TABLE - ARTS FACULTY

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


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Bhadrawati


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Joint Chief Supervisor
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Nilkanthrao Shinde Science and Arts College,
Bhadrawati

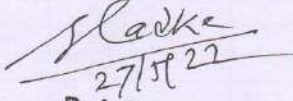

PRINCIPAL 27/5/22
Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur


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

सुचना

सर्व प्राध्यापकांना सुचित करण्यात येते की महाविद्यालयीन सराव परिक्षेची MCQ प्रश्नपत्रिका काढतांना प्रत्येक युनीट वर १५ MCQ असे एका पेपरला साठ (६०) प्रश्न काढावेत व प्रश्नपत्रिकेच्या वर N.B मध्ये कोणतेही पन्नास (५०) प्रश्न सोडवा असा उल्लेख करावा.

दिनांक २७/०५/२०२२


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 Pradhan 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 Pradhan 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 Pradhan 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. Ladke
 PRINCIPAL

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

Date	Time	Name of invigilator	Signature	Room No.
04-06-2022	8.00 - 9.15 AM	Dr. A. B. Dhote	<i>AShote</i>	
		Dr. N. S. Wadhawe	<i>NW</i>	
		Dr. A. D. Dahegaokar	<i>Jah</i>	
		Dr. G. R. Bedare	<i>GR</i>	
		Dr. P. N. Nasare	<i>PN</i>	
		Dr. M.N.Quadri	<i>MN</i>	
		Prof. S.S.Shrirame	<i>SS</i>	
		Prof. Bhongale	<i>Bh</i>	
		Dr. K. P. Jumde	<i>KP</i>	
		Ms.mr. Nayan Sarkar	<i>Nayan</i>	
		Ms Syma Madam	<i>Syma</i>	
		Mrs. Pradha Madam	<i>Pradha</i>	
		Mr. Sanjay Shreerame	<i>Sanjay</i>	
		Ms Dhanashree Ghugal	<i>Dhanashree</i>	
Mr Surse Madam	<i>Surse</i>			
06-06-2022	8.00 - 9.15 AM	Dr. A. B. Dhote	<i>AShote</i>	
		Dr. N. S. Wadhawe	<i>NW</i>	
		Dr. A. D. Dahegaokar	<i>Jah</i>	
		Dr. G. R. Bedare	<i>GR</i>	
		Dr. P. N. Nasare	<i>PN</i>	
		Dr. M.N.Quadri	<i>MN</i>	
		Prof. S.S.Shrirame	<i>SS</i>	
		Prof. Bhongale	<i>Bh</i>	
		Dr. K. P. Jumde	<i>KP</i>	
		Ms.mr. Nayan Sarkar	<i>Nayan</i>	
		Ms Syma Madam	<i>Syma</i>	
		Mrs. Pradha Madam	<i>Pradha</i>	
		Mr. Sanjay Shreerame	<i>Sanjay</i>	
		Ms Dhanashree Ghugal	<i>Dhanashree</i>	
Mr Surse Madam	<i>Surse</i>			
07-06-2022	8.00 - 9.15 AM	Dr. A. B. Dhote	<i>AShote</i>	
		Dr. N. S. Wadhawe	<i>NW</i>	
		Dr. A. D. Dahegaokar	<i>Jah</i>	
		Dr. G. R. Bedare	<i>GR</i>	
		Dr. P. N. Nasare	<i>PN</i>	
		Dr. M.N.Quadri	<i>MN</i>	
		Prof. S.S.Shrirame	<i>SS</i>	
		Prof. Bhongale	<i>Bh</i>	
		Dr. K. P. Jumde	<i>KP</i>	
		Mr. Nayan Sarkar	<i>Nayan</i>	
		Ms Syma Madam	<i>Syma</i>	
		Mrs. Pradha Madam	<i>Pradha</i>	
		Mr. Sanjay Shreerame	<i>Sanjay</i>	
		Ms Dhanashree Ghugal	<i>Dhanashree</i>	
Mr Surse Madam	<i>Surse</i>			

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

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

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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>SH</i>	
		Prof. D.L.Bhaware	<i>mal</i>	
		Dr. K.D.Shahare	<i>Shahare</i>	
		Kiran Gaurkar	<i>Kir</i>	
		John Madam	<i>John</i>	
02-06-2022	9.30- 10.45 AM	Prof. Shon Tangde	<i>SH</i>	
		Prof. D.L.Bhaware	<i>mal</i>	
		Dr. K.D.Shahare	<i>Shahare</i>	
		Kiran Gaurkar	<i>Kir</i>	
		John Madam	<i>John</i>	
03-06-2022	9.30- 10.45 AM	Prof. Shon Tangde	<i>SH</i>	
		Prof. D.L.Bhaware	<i>mal</i>	
		Dr. K.D.Shahare	<i>Shahare</i>	
		Kiran Gaurkar	<i>Kir</i>	
		John Madam	<i>John</i>	
04-06-2022	9.30- 10.45 AM	Prof. Shon Tangde	<i>SH</i>	
		Dr. V.G.Petkar	<i>Petkar</i>	
		Dr. K.D.Shahare	<i>Shahare</i>	
		Prof. D.L.Bhaware	<i>mal</i>	
		John Madam	<i>John</i>	
06-06-2022	9.30- 10.45 AM	Prof. Shon Tangde	<i>SH</i>	
		Dr. V.G.Petkar	<i>Petkar</i>	
		Dr. K.D.Shahare	<i>Shahare</i>	
		Prof. D.L.Bhaware	<i>mal</i>	
		John Madam	<i>John</i>	

Ladke
20/11/22
Dr. L.S. Ladke
PRINCIPAL
N.S. Science & Arts College
Bhadrawati, Dist-Chandrapur

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

प्रमाणितपत्रावधानातील सर्व प्राध्यापकांना
 दुनित करणातु मेरे जी, आपआपल्या विषयाचा
 प्रेर झाल्याबरोबर सायंकाळी प्राध्यापकांनी आपल्या
 विषयाची answer key त्याच दिवशी sharp 9.30
 नर कला विषयाच्या प्राध्यापकांनी आपल्या विषयाचे
 answer key sharp 11.00 am ला आपल्या
 विषयाच्या whatsapp group वर टाकावे.

Con
 सा. सा. आर. एल. एम. ए.
 Preliminary exam 5th 2022

Ladke
 2/6/22
 Dr. L.S. Ladke
 PRINCIPAL
 N.S. Science & Arts College
 Bhadravati, Dist-Chandrapur

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

प्रत्येक विद्यार्थ्यांना सर्व प्राध्यापकांना
सुचित करण्यात येते की, आपापल्या विषयांसाठी
येथील लक्षा दिवसात लक्षातून गुणपत्रिका सा.
डॉ. रजिश हजारे सरांकडे जमा करावे.

Ladke
Chief supervisor
Preliminary Exam 2022

Ladke
11/6/22

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

Dr. W. S. ...
11/06/2022

Dr. ...
11/06/22

Dr. ...
01/06/2022

Dr. ...
11/6/2022

Dr. ...
11/06/2022

Dr. ...
01/06/2022

Dr. ...
11/6/22

Dr. ...

Dr. ...

Dr. ...

Dr. ...
11/6/22

Dr. ...

Dr. ...
11/6/2022

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
(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		4758672-635	03

Dr. R. S. Korgue
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	39	4949571-634	41
			38	4949636-668	22
		COMP.SCI- II	38	4949574-579	04
			37	4949581-648	26
			42	4949649-669	05
			42	4969558-599	15
	SEM - IV	MATH- II	46	4969603-638	20
			50	4969639-685	23
			51	4969686-695	07
			51	4969559-579	15
		BOTANY-II	52	4969582-620	21
			53	4969624-681	22
			54	4969683-696	04
			39	4990566-630	41
	SEM - VI	PHYSICS-II	38	4990632-682	26
			37	4990683-687	03
42			4990567-606	15	
46			4990612-655	15	
ZOOLOGY-II		54	4990656-689	16	

Ganesh
Dr. R.S. Kojure
Chief supervisor
Preliminary 2022 Summer 2022

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

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Blank Mark List For

B.S.C. (with Credits) - Regular-CBCS Pattern - FY B.S.C. - 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	Sighitue Juegle
2	4949573	2021033700678215	AWARI BHUVANESHWARI RAJU	24	Praveen
3	4949574	2021033700678134	TUMSARE GOURI NIKHIL		
4	4949575	2021033700712574	WARHADE YASH SUBHASH	15	Chudake
5	4949576	2021033700712597	LANDGE SAHIL SUBHASH	15	forde
6	4949577	2021033700712601	KOLTE SAKSHI SHANKAR	12	Sahe
7	4949579	2021033700678165	RODE SHREYAS PRAMOD		
8	4949581	2019033700019387	KANDE PRIYA VENKATAYYA	27*	Vijay
9	4949583	2021033700805865	RAI ANISH RAJENDRA		
10	4949584	2021033700933344	HUMANE SANJANA RAMU	08	Pratuman
11	4949585	2021033700933313	GAYKWAD ARPITA SADANAND	15	Agaykwar
12	4949586	2021033700974913	GAURKAR DEVYANI PRAVIN	13	Pravin
13	4949594	2021033700772982	DEHARKAR PAVAN DADAJI	22	Pavan
14	4949595	2021033700772997	DARVE SHRAVANI VIJAY	25	Shravani
15	4949599	2021033700945047	RAIPURE CHAITALI VILAS		
16	4949601	2021033700714824	ASAMPALLIWAR LINA VITTHAL	14	Duni
17	4949603	2021033700714847	VIDHATE SONAM DILIP	15	Sonam
18	4949604	2021033700714855	MANDHARE ANJALI SUNIL	13	Anjali
19	4949605	2021033700736433	KHANDALKAR EKATA ARVIND	18	Arvind
20	4949606	2021033700736441	UIKE PRANALI DURYODHAN	17	Pranali
21	4949607	2021033700736456	RUYARKAR ACHAL VINOD	20	AV Ruyark
22	4949608	2021033700744525	PATHAK ANKIT ARUN	15	Ankit
23	4949609	2021033700738896	PATHAN GUDIYA JALIL KHA	23	Guditha
24	4949611	2021033700738962	KARKADE SHREYA HARIDAS	17	Shreyas
25	4949612	2021033700712543	ANDRASKAR RITIKA DILIP	024	Randaskar

29

Seal

Signature of Examiner

Date

Dr. L.S. Ladke

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 your 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, 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

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

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Dr. L.S. Ladke

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

Signature of Examiner

Date

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 - 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: 442402Paper 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
51	4949654	2021033700737951	CHIKTE MAYURI KISHOR	22	Sujit
52	4949656	2021033700737974	SHARMA VIDHI AJAYKUMAR	31	M.K. Chikte
53	4949657	2021033700738954	KHOBRA GADDE PRADNYA UTTAM		Oka
54	4949658	2021033700744452	KARKADE ANKITA SURYABHAN	11	Pradkade
55	4949659	2021033700885032	SAH ANKIT MITHLESH		
56	4949662	2021033700979895	DONGRE PRERANA VINOD	16	Dongre
57	4949663	2021033700973852	UTANE DHANASHREE RAJENDRA	17	Utane
58	4949664	2021033700886333	DAHULE KOMAL RAJU	12	Komal S.
59	4949665	2021033700886341	BALPANE PRAPTI RAMCHANDRA	13	Balpane
60	4949669	2021033700989015	TEKAM PRANALI KAWDUJI		

Seal

Dr. L.S. Ladke

Dr. L.S. Ladke

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

Signature of Examiner

Date

Dr. L.S. Ladke

Instruction

- While 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.
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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)

Time :-75 min

Marks:-50

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 Invers
C) Closure, Associativity, Identity and Inverse D) Closure, Abelian, Identity and Inverse
- 2) A group with an ordered pair (G, \circ) is abelian if-----
A) $a \circ b = b \circ a$ 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) $AB = \begin{pmatrix} 1 & 2 & 3 & 4 & 5 \\ 2 & 3 & 1 & 5 & 4 \end{pmatrix}$

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


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

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

- 15) A cycle of length 2 is called a-----
 A) Permutation B) Transposition C) Odd permutation D) None
- 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
- 17) Any two right cosets of a subgroup are either disjoint or-----
 A) Inverse B) Identical C) Joint D) None
- 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 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 $\circ(G/N) =$ -----
 A) $\circ(G) + \circ(N)$ B) $\circ(G) - \circ(N)$ C) $\circ(G) \times \circ(N)$ D) $\circ(G) / \circ(N)$

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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 Q / Z . The order of $(2/3)+Z$ in Q / 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 ϕ 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) $|\phi^{-1}(a)| = |Ker\phi|$ for all $a \in G'$ B) $|Ker\phi|$ is a normal subgroup of G
 C) $|Ker\phi| = \{e\}$ if $|G| = |G'|$ D) $|Ker\phi| = G$ 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 ϕ 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 ϕ of G into G' with kernel K_ϕ 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
 A) Let ϕ is a homomorphism of G into G' with Kernel K , then K is a normal subgroup of G
 B) Let ϕ is a homomorphism of G into G' with Kernel K , then $G/K \cong G'$
 C) A homomorphism ϕ of G into G' with kernel K_ϕ is an isomorphism of G into G' if and only if $K_\phi = \{e\}$, where e is identity of G
 D) Any kernel K is non-empty
- 42) Which of the following statement is false?
 A) Every homomorphic image of a group G is isomorphic to some quotient group of G
 B) Any infinite cyclic group is isomorphic to the additive group of integers
 C) Any kernel K is empty
 D) Every group is isomorphic to a permutation group
- 43) Any finite cyclic group of order n is -----
 A) Isomorphic to quotient group
 B) Isomorphism to quotient group
 C) Homomorphic to quotient group
 D) Homomorphism to quotient group
- 44) Let G be a group, then G is -----
 A) isomorphic to a permutation group only if G is finite
 B) always isomorphic to a subgroup of group of permutations
 C) never isomorphic to a permutation group
 D) 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
 A) 0
 B) infinity
 C) p
 D) 1
- 46) An algebraic system $(R, +, \cdot)$ consisting of a nonempty set R is called an associative ring
 A) (R, \cdot) is an abelian group, Multiplication \cdot is associative, multiplication is distributive over addition
 B) $(R, +)$ is an abelian group, Multiplication $+$ is associative, multiplication is distributive over addition
 C) $(R, +)$ is an abelian group, Multiplication \cdot is associative, multiplication is distributive over addition
 D) $(R, +)$ 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
 A) Integer modulo n
 B) Integer modulo $n+1$
 C) Integer modulo $n-1$
 D) Integer modulo $n!$
- 48) Which of the following statement is correct?
 A) $(Z, \cdot, +)$ is a commutative ring
 B) $(Z, +, \cdot)$ is a commutative ring
 C) (Z, \cdot, \cdot) is a commutative ring
 D) $(Z, +, \cdot)$ is a commutative ring
- 49) The set $\{0, 2, 4\}$ under addition and multiplication modulo 6 is
 A) not a ring with unity (identity)
 B) a ring with 0 as unity (identity)
 C) a ring with 2 as unity (identity)
 D) 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) $x + y, xy \in S, \forall x, y \in S$
 C) $x \pm y, xy \in S, \forall x, y \in S$
- B) $x - y, xy \in S, \forall x, y \in S$
 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 $A = \{ne | n \in Z\}$ 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) $(Q, +, \cdot)$ B) $(R, +, \cdot)$ C) $(C, +, \cdot)$ D) $(N, +, \cdot)$
- 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) $Z[x]$ B) $Z[\sqrt{2}] = \{a + \sqrt{2}b | a, b \in Z\}$ C) $(Z_p, +_p, \cdot_p)$ D) $Z \oplus Z$
- 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 & Arts College, Bhadrawati, Dist. Chandrapur (MS)
Session: 2021-22

Time: 1.15 hrs.

Preliminary Examination - 2022 (MCQ)

Marks: 50

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| <p>A B C D</p> <p>1 (A) (B) (C) (D)</p> <p>2 (A) (B) (C) (D)</p> <p>3 (A) (B) (C) (D)</p> <p>4 (A) (B) (C) (D)</p> <p>5 (A) (B) (C) (D)</p> <p>6 (A) (B) (C) (D)</p> <p>7 (A) (B) (C) (D)</p> <p>8 (A) (B) (C) (D)</p> <p>9 (A) (B) (C) (D)</p> <p>10 (A) (B) (C) (D)</p> <p>11 (A) (B) (C) (D)</p> <p>12 (A) (B) (C) (D)</p> <p>13 (A) (B) (C) (D)</p> <p>14 (A) (B) (C) (D)</p> <p>15 (A) (B) (C) (D)</p> | <p>A B C D</p> <p>16 (A) (B) (C) (D)</p> <p>17 (A) (B) (C) (D)</p> <p>18 (A) (B) (C) (D)</p> <p>19 (A) (B) (C) (D)</p> <p>20 (A) (B) (C) (D)</p> <p>21 (A) (B) (C) (D)</p> <p>22 (A) (B) (C) (D)</p> <p>23 (A) (B) (C) (D)</p> <p>24 (A) (B) (C) (D)</p> <p>25 (A) (B) (C) (D)</p> <p>26 (A) (B) (C) (D)</p> <p>27 (A) (B) (C) (D)</p> <p>28 (A) (B) (C) (D)</p> <p>29 (A) (B) (C) (D)</p> <p>30 (A) (B) (C) (D)</p> | <p>A B C D</p> <p>31 (A) (B) (C) (D)</p> <p>32 (A) (B) (C) (D)</p> <p>33 (A) (B) (C) (D)</p> <p>34 (A) (B) (C) (D)</p> <p>35 (A) (B) (C) (D)</p> <p>36 (A) (B) (C) (D)</p> <p>37 (A) (B) (C) (D)</p> <p>38 (A) (B) (C) (D)</p> <p>39 (A) (B) (C) (D)</p> <p>40 (A) (B) (C) (D)</p> <p>41 (A) (B) (C) (D)</p> <p>42 (A) (B) (C) (D)</p> <p>43 (A) (B) (C) (D)</p> <p>44 (A) (B) (C) (D)</p> <p>45 (A) (B) (C) (D)</p> | <p>A B C D</p> <p>46 (A) (B) (C) (D)</p> <p>47 (A) (B) (C) (D)</p> <p>48 (A) (B) (C) (D)</p> <p>49 (A) (B) (C) (D)</p> <p>50 (A) (B) (C) (D)</p> <p>51 (A) (B) (C) (D)</p> <p>52 (A) (B) (C) (D)</p> <p>53 (A) (B) (C) (D)</p> <p>54 (A) (B) (C) (D)</p> <p>55 (A) (B) (C) (D)</p> <p>56 (A) (B) (C) (D)</p> <p>57 (A) (B) (C) (D)</p> <p>58 (A) (B) (C) (D)</p> <p>59 (A) (B) (C) (D)</p> <p>60 (A) (B) (C) (D)</p> |
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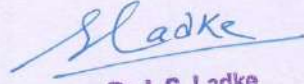
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Notice

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-2019 and submit hard copy of question paper to Librarian Prof. Sandeep Pradhan up to 30/05/2022

Date-25/05/2022



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