



# SHIVAJI UNIVERSITY, KOLHAPUR

(Circular No – 118 Exam Oct/Nov 2022 )

(University Examination Only)

Exam Programme Circular No – 118 Winter Session Exam **October/November 2022**

Faculty:- Science & Technology

Course:- B.Sc Examination B.Sc Course Code 2324 CBCS

B.Sc. Part –II Semester – III & IV Oct/Nov 2022

to be held in January 2023

**INSTRUCTIONS:** common instruction as per circular No. SU/Appointment/RVC/910 Date 02/12/2022 and also available on University website [www.unishivaji.ac.in](http://www.unishivaji.ac.in)

1. The Students should see their No's & Name in the Name list and mistakes if any should be communicated to this office **IMMEDIATELY**.
2. All The candidates are requested to confirm their Examination **Seat No's** as well **place** of examination Mentioned on the Notice Board of the University / College at least **Two days** before the date of Examination.
3. The candidate should write correct Seat No. on each answer book. If candidate writes wrong Seat No. on answer book **the performance of such subject will not be considered**.
4. The Candidates are requested to be present at their respective places of examinations **FIFTEEN MINUTES** before the time scheduled for starting of the first paper and **TEN MINUTES** before of starting of each subsequent paper.
5. The Candidates are forbidden to take any book or paper into the Examination Hall.
6. The Candidate should write the answers in **BLUE INK** only.
7. The students are allowed to use the Non Programmable Scientific Calculators for numerical calculations at their own cost. The University will not supply such calculators.
8. The cellular phone, programmable scientific calculator and digital diary or any other means which can be used for unfair practice are not allowed in the Examination hall.
9. The Seating arrangement is made **date wise and subject wise** there for The candidates are requested to see their seating arrangement one day before the date of examination.
10. The **Centers** and **Places** of the Examination are as follows.

## KOLHAPUR DISTRICT

Sr.No	College Code / Centre Code	College Abbreviation	Centre Name
1	28	MMK	Mahaveer Mahavidyalaya, Kolhapur.
	30	NCK	The New College, Kolhapur.
	31	R	Rajaram College, Kolhapur.
	32	SHAHU	Rajarshri Chh. Shahu College, Kolhapur.
	34	SSCM	Shri. Shahaji Chhatrapati Mahavidyalaya, Kolhapur.
	260	GKG	Gopal Krishna Gokhale College, Kolhapur.

2	2	KOWAD	Arts, Commerce & Science Mahavidyalaya, Kowad.
3	3	GAD	Shivraj College of Arts & Commerce & D.S. Kadam Science College, Gadhinglaj.
4	38	ICH	Dattajirao Kadam Arts, Commerce & Science College, Ichalkaranji.
5	43	J	Jaysingpur College Jaysingpur, Jaysingpur.
6	47	GCG	Dr. Ghali College Arts, Commerce & Science College, Gadhinglaj.
7	48	DA	Devchand College, Arjunnagar.
8	49	KHCG	Karmaveer Hire Arts, Commerce, Science & Education College, Gargoti.
9	50	W	Yashantrao Chavan Warana Mahavidyalaya, Warananagar.
10	51	BMK	Bhogawati Mahavidyalaya, Kurukali.
11	52	KWD	Sahakar Bhushan Hon. S.K.Patil Mahavidyalaya, Kurundwad.
12	53	AMA	Ajara Mahavidyalaya Ajara, Ajara.
13	55	VYMP	Shri. Vijaysingh Yadav College of Arts & Science College, Peth-Vadgaon.
14	56	SRD	Shri. Shiv-Shahu Mahavidyalaya, Sarud.
15	57	HAL	Yashwantrao Chavan Mahavidyalaya, Halkarni.
16	60	DRM	D.R. Mane Mahavidyalaya, Kagal.
17	61	DMB	Doodhasakhar Mahavidyalaya (Arst, Science & Commerce) Bidri.
18	62	MUR	Sadashivrao Mandlik Mahavidyalaya, Murgud.
19	65	KPRD	Kai. S.B. Khade Mahavidyalaya, Koparde.
20	66	MALKA	Prof. (Dr.) N.D. Patil Mahavidyalaya, Malkapur.
21	67	TSNGI	M.H.Shinde Mahavidyalaya, Tisangi.
22	68	NESRI	Tukaram Krushnaji Kolekar Arts, Commerce College, Nesari.
23	70	CHAND	Shri. R.B. Madkholkar Mahavidyalaya, Chandgad.
24	71	HAT	Hon.Shri Annasaheb Dange Arts, Commerce & Science College Hatkangale.
25	72	MKOT	Shripatrao Chougule Arts & Science Mahavidyalaya, Kotoli.
26	250	KALE	Vitthalrao Patil (Arts, Commerce & Science ) College, Kale.
27	377	ASURLE	Arts, Commerce & Science Mahavidyalaya, Asurle-Porle.
28	427	KARVE	V.K.Chavan-Patil Arts, Commerce & Science College, Karve.
29	429	ANANDI	Pad. Dr. G.G.Jadhav Mahavidyalaya, Gaganbavada.
30	436	YPVMS	Shri. Yashwantrao Patil Science Mahavidyalaya, Solankur.
31	469	BEED	Arts, Commerce & Science Mahavidyalaya, Kasaba-Beed.
32	512	PANORE	Shri. Lahu Bala Paritkar Arts, Commerce & Science Mahavidyalaya, Panore, Vetwade.
33	611	SARAVA DE	Parvatibai More Mahila Mahavidyalaya, Saravade, Tal-Radhanagari.
34	613	SHOKOR	Smt. Shobhatai Kore Warana Mahila Mahavidyalaya, Yellur.
35	618	MAGACS	Major Anandrao Ghatge Arts, Commerce & Science College, Senapati Kapashi.
36	631		Sadhana College Of Commerce, Gadhinglaj, Gadhinglaj

37	632	ACSCH	Arts, Commerce & Science College, Hupari.
38	636	MANJARE	Kai. Banai Chaugule Arts, Commerce & Science College, Manjare.
39	644		Arts, Commerce & Science Mahavidyalaya, Konoli Tarf Asandoli.
40	649		Dr. Tanajirao Chorage Arts, Commerce & Science Mahavidyalaya, Nandval.
41	666		Narsingrao Gurunath Patil Mahavidyalaya, Tudaye, Tal-Changad.
42	671		Jijamata Mahavidyalaya, Durgmanwad, Tal- Radhanagari.
43	673		Shri. Anandrao Abitkar Arts, Commerce & Science Mahavidyalaya, Kadgaon.
44	1084	DDMW	Datta Dwaraka Mahavidyalaya, Wakare.

## SANGLI DISTRICT

Sr.No	College Code / Centre Code	College Abbreviation	Centre Name
1	73	ASCS	Dr. Patangrao Kadam Arts, Science & Commerce College, Sangalwadi.
2	78	KWS	Smt. Kasturbai Walchand College of Arts & Science Sangli.
	80	WDN	Willingdon College, Sangli.
3	83	M	Shikshan Maharshi Dr. Bapuji Salunkhe Mahavidyalaya, Miraj.
	84	MIRAJ	Miraj Mahavidyalaya Miraj, Miraj.
4	86	BAL	Balwant College, Vita.
	261	HPMV	Adarsh Mahavidyalaya, Vita.
5	87	AST	Arts & Commerce College, Ashta.
6	88	KMU	Smt. Kusumtai Rajarambapu Patil Kanya Mahavidyalaya, Urun-Islampur.
	90	U	Karmaveer Bhaurao Patil College, Urun-Islampur.
	91	YCU	Yashwantrao Chavan Arts & Commerce College, Urun-Islampur.
7	92	T	Padm Bhushan Dr. Vasantodada Patil Mahavidyalaya, Tasgaon.
8	93	RAM	Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar. (Burli)
9	94	RAJE	Raje Ramrao Mahavidyalaya, Jath.
10	95	KVT	Padm Bhushan Dr. Vasantodada Patil Mahavidyalaya, Kavathe-Mahankal.
11	96	KASE	Arts, Science & Commerce College Kasegaon.
12	100	SRL	Vishwasrao Naik Arts, Commerce and Baba Naik Science College, Shirala.
13	101	KMK	BVPs Bayabai Shripatrao Kadam Kanya Mahavidyalaya, Kadegaon.
14	102	SAV	Shri Ravsaheb Ramrao Patil Mahavidyalaya, Savalaj.
15	103	WALWA	Karntisinh Nana Patil Mahavidyalaya, Walwa.
16	104	PALUS	Arts Commerce and Science College, Palus.
17	105	BHIL	Balasaheb Chitale Mahavidyalaya, Bhilalwadi.
18	106	CHIK	Deshbhakt Anandrao B. Naik Arts & Science Mahavidyalaya, Chikhali.
19	107	KUNDL	Kranti Agrani G.D. Bapu Lad Arts Mahavidyalaya, Kundal.
20	283	ATP	Shrimant Babasaheb Desmukh Mahavidyalaya, Atpadi.
21	315	UMDI	Arts, Science and Commerce Mahavidyalaya, Umadi.
22	468	VPACS	Vitthal (Daji) Patil Arts, Commerce and Science Mahavidyalaya, Salgare, Miraj.
23	612	ISHMOR	Ishwarrao More-Patil Arts Commerce and Science Mahila Mahavidyalaya, Dighanchi.

24	615	MMKVT	Mahila Mahavidyalaya, Kavthe-Mahankal.
25	616	RKP	Shri. R.K. Patil (Arts, Commerce and Science) College Sankh. Tal- Jath.
26	617	JACSM	Shri. Gajanan Arts Commerce and Science College, Jadraboblad.
27	620	VCS	Shri. Venketheshwara College of Science, Peth Naka.
28	970		Vilasrao Shinde Mahavidyalaya (Arts, Commerce and Science), ASHTA

### SATARA DISTRICT

Sr.No	College Code / Centre Code	College Abbreviation	Centre Name
1	145	LAL	Lal Bahadur Shastri College, Satara.
2	151	MUD	Mudhoji College, Phaltan.
3	152	SRK	Shahaji Raje Mahavidyalaya, Khatav.
4	153	MCK	Mahila Mahavidyalaya, Karad.
5	158	YCSK	Yashwantrao Chavan Science College, Karad.
6	159	BD	Balasaheb Desai College, Patan.
7	160		Kakasaheb Chavan Mahavidyalaya, Talmavale.
8	161	WAI	Kisan Veer Mahavidyalaya, Wai.
9	162	KOR	D.P. Bhosale College, Koregaon.
10	164	DAH	Dahiwadi College Dahiwadi, Dahiwadi.
11	165	LON	Sharadchandra Pawar Mahavidyalaya. Lonand.
12	166	MMU	Mahila Mahavidyalaya, Umbraj.
13	167	PACH	Smt. Menalben Mehata College, Pachagani.
14	168	KMR	Krishna Mahavidyalaya, Rethare (BK)
15	170	MEDHA	Amdar Shahikant Shinde College, Medha.
16	171	MAYA	Arts and Commerce College, Mayani.
17	172	RAHI	Sardar Babasaheb Mane Mahavidyalaya, Rahimatpur.
18	173	AUNDH	Raja Shripatrao Bhagawntao Mahavidyalaya, Aundh.
19	175	WADUJ	Dadasaheb Jotiram Godse, Vaduj.
20	176	MSWD	Shrimant Bhaiyasaheb Rajmane (Arts, Commerce & Science ) College, Mhaswad.
	255	NAGT	Arts & Commerce College Nagthane.
21	353	RMK	Sushila Shankarrao Gadhav Mahavidyalaya, Khandala.
22	376	MMW	Shri. Bhimrao Shinde Womens College (Arts, Commerce & Science) College, Wai.
23	490	VDDS	Smt. Vijayadevi Desai Senior College, Doulat Nagar, Patan.
23	528		Sou Mangalatai Ramchandra Jagatap Mahavidyalay, Umbraj, Umbraj

**B. Sc Part – II Semester – III (CBCS Pattern -University Examination)**

<b>Day &amp; Date</b>	<b>Subject Code No.</b>	<b>Time – 10:30 am To 12:30 pm Session – I</b>	<b>Subject Code No.</b>	<b>Time – 2 :30 pm To 04:30 pm Session - II</b>
<b>23-01-2023 Monday</b>	<b>73301</b>	<b>Physics Paper- V DSC C1 (Thermal Physics And Statistical Mechanics-I)</b>	<b>73312</b>	<b>Plant Protection Paper- I DSC IC45 (Major Crops, Methods of Integrated Plant Protection)</b>
			<b>73313</b>	<b>Fisheries Paper – I DSC IC49 (Fishery Biology – I )</b>
			<b>73315</b>	<b>Biochemistry Paper- I (IDS) DSC IC43 ( Biomolecules)</b>
			<b>73317</b>	<b>Industrial Microbiology Paper – V DSC C27 (Industrial Production of Fermented foods)</b>
			<b>73318</b>	<b>Biotechnology (Optional/ vocational) Paper- V DSC C17 (Biophysics &amp; Enzyme Technology)</b>
			<b>73319</b>	<b>Food Science &amp; Quality Control Paper- V DSC C33 (Food Preservation)</b>
<b>24-01-2023 Tuesday</b>	<b>73301</b>	<b>Physics Paper- VI (New) DSC C 2 (WAVES AND OPTICS)</b>	<b>73312</b>	<b>Plant Protection Paper- II DSC IC46 (Insect Pests And Their Management)</b>
			<b>73313</b>	<b>Fisheries Paper - II DSC IC50 (Fish Physiology) – II</b>
			<b>73315</b>	<b>Biochemistry Paper- II (IDS) DSC IC44 ( Metabolism and Nutrition)</b>
			<b>73317</b>	<b>Industrial Microbiology Paper – VI DSC C28(Quality Control of Food Production)</b>
			<b>73318</b>	<b>Biotechnology (Opt / Vocational Paper-VI ) DSC C18(Molecular biology)</b>
			<b>73319</b>	<b>Food Science &amp; Quality Control Paper- VI DSC C34 (Fruits and Vegetable processing)</b>
<b>25-01-2023 Wednesday</b>	<b>73304</b>	<b>Zoology Paper- V DSC C 15 (Animal Diversity- II)</b>	<b>77901</b>	<b>Astrophysics –I (IDS) DSC IC39 (Fundamentals of Astronomy)</b>
	<b>73305</b>	<b>Statistics Paper – V DSC C 7 (probability Distributions) – I</b>	<b>73316</b>	<b>Seed Technology Paper- V DSC C23 (Hybrid Seed Production)</b>
			<b>73320</b>	<b>Pollution Paper- I DSC IC47 (Ecology and Environment)</b>
<b>27-01-2023 Friday</b>	<b>73304</b>	<b>Zoology Paper- VI DSC C 16 (BioChemistry)</b>	<b>77901</b>	<b>Astrophysics –II (IDS) DSC IC40 (Fundamentals of Astrophysics)</b>
	<b>73305</b>	<b>Statistics Paper- VI DSC C 8 (Statistical Methods – I )</b>	<b>73316</b>	<b>Seed Technology Paper- VI DSC C24 (Vegetable Seed Production)</b>
			<b>73320</b>	<b>Pollution Paper- II DSC IC48 (Environmental Pollution )</b>
<b>30-01-2023 Monday</b>	<b>73303</b>	<b>Botany Paper- V DSC C 13 (Embryology of Angiosperms)</b>	<b>73300</b>	<b>Mathematics Paper- V DSC C5 (Real Analysis-I )</b>
<b>31-01-2023 Tuesday</b>	<b>73303</b>	<b>Botany Paper- VI DSC C 14 (Plants Physiology )</b>	<b>73300</b>	<b>Mathematics Paper- VI DSC C6 (Algebra-I )</b>

<b>01-02-2023 Wednesday</b>	<b>73308</b>	<b>Electronics Paper- V DSC C 9</b> (Communication Electronics)	<b>73306</b>	<b>Geology Paper- V DSC C21</b> (Igneous, Sedimentary & Metamorphic Petrology)
	<b>73314</b>	<b>Biochemistry Optional Paper – V DSC C29</b>	<b>73307</b>	<b>Microbiology Paper- V DSC C25</b> (Microbial Physiology & Metabolism)
			<b>73311</b>	<b>Astro Physics &amp; Space Sci. Paper – V DSC C35</b> (Celestial Mechanics)
			<b>73310</b>	<b>Computer Science Paper- V DSC C11</b> (PHP and MySQL)
<b>02-02-2023 Thursday</b>	<b>73308</b>	<b>Electronics Paper- VI DSC C 10</b> (Introduction to Microprocessor 8085 and Microcontroller)	<b>73306</b>	<b>Geology Paper- VI DSC C22</b> (Sedimentary And Metamorphic Petrology)
	<b>73314</b>	<b>Biochemistry Optional Paper- VI DSC C 30</b> (Metabolism of Amino Acids And Nutrition)	<b>73307</b>	<b>Microbiology Paper- VI DSC C26</b> (Applied Microbiology)
			<b>73311</b>	<b>Astro Physics &amp; Space Sci. Paper – VI DSC C36</b> (Introductory Quantum Mechanics)
			<b>73310</b>	<b>Computer Science Paper- VI DSC C12</b> (Object Oriented Programming Using C++)
<b>03-02-2023 Friday</b>	<b>73302</b>	<b>Chemistry Paper - V DSC C3</b> (Physical Chemistry )	<b>73322</b>	<b>Nano Technology Paper – V DSC C37</b> (Nano Physics)
<b>04-02-2023 Saturday</b>	<b>73302</b>	<b>Chemistry Paper - VI DSC C4</b> (Industrial Chemistry)	<b>73322</b>	<b>Nano Technology Paper – VI DSC C38</b> (Nano-chemistry)

## B. Sc Part – II Semester – IV (CBCS Pattern -University Examination)

Day & Date	Subject Code No.	Time – 10:30 am To 12:30 pm <b>Session – I</b>	Subject Code No.	Time – 2 :30 pm To 04:30 pm <b>Session - II</b>
10-01-2023 Tuesday	78909	Chemistry Paper - VII DSC D3 (Industrial Chemistry )	78917	Computer Science Paper- VII DSC D 11 (Cyber Security Essentials-I)
11-01-2023 Wednesday	78909	Chemistry Paper - VIII DSC D4 (Organic Chemistry)	78917	Computer Science Paper- VIII DSC D 12 (Data Structure Using C++)
12-01-2023 Thursday	78908	Physics Paper- VII DSC D1 (Thermal Physics And Statistical Mechanics-II)	78920	Plant Protection Paper- III DSC ID 45 (Introduction to Weeds and Weed Management)
			73313	Fisheries Paper – I DSC IC49 (Fishery Biology – I )
			78922	Biochemistry Paper- III (IDS) DSC ID43 ( Biochemical Techniques & Bioinformatics )
			78926	Industrial Microbiology Paper – VII DSC D 27 (Fermentation Technology)
			78927	Biotechnology (Optional/ vocational) Paper- VII DSC D 17 (Immunology)
			78924	Food Science & Quality Control Paper- VII DSC D 33 (Quality Control of food Products)
13-01-2023 Friday	78908	Physics Paper- VIII DSC D 2 (WAVES AND OPTICS-II)	78920	Plant Protection Paper- IV DSC ID 46 (Crop Diseases, Their Management and Pathophysiological Skills)
				Fisheries Paper - II DSC IC50 (Fish Physiology) – II
			78922	Biochemistry Paper- IV (IDS) DSC ID 44 ( Molecular biology & Biotechnology)
			78926	Industrial Microbiology Paper – VI DSC D 28 (Industrial Production of Biofertilizers)
			78927	Biotechnology (Opt / Vocational Paper-VIII DSC D18 (r-DNA technology)
			78924	Food Science & Quality Control Paper- VIII DSC D34 (Cereals & Pulses Technology)
16-01-2023 Monday	78911	Zoology Paper- VII DSC D 15 (Reproductive Biology)	78919	Astrophysics –III (IDS) DSC ID39 (Galaxies, Cosmology and Solar System)
	78912	Statistics Paper – VII DSC D 7 (probability Distributions – II)		Seed Technology Paper- V DSC C23 (Hybrid Seed Production)
			78925	Pollution Paper- III DSC ID47 (Air and Water Pollution)



17-01-2023 Tuesday	78911	Zoology Paper- VIII DSC D 16 (BioChemistry)	78919	Astrophysics –IV (IDS) DSC ID 40 (Cosmic Electrodynamics)
	78912	Statistics Paper- VIII DSC D 8 (Statistical Methods – II )		Seed Technology Paper- VI DSC C24 (Vegetable Seed Production)
			78925	Pollution Paper- IV DSC ID 48 (Soil and Solid Waste Pollution )
18-01-2023 Thursday	78910	Botany Paper- VII DSC D 13 (Plant Anatomy))	78907	Mathematics Paper- VII DSC D5 (Real Analysis-II )
19-01-2023 Thursday	78910	Botany Paper- VIII DSC D 14 (Plants Metabolism )	78907	Mathematics Paper- VIII DSC D6 (Algebra-II )
20-01-2023 Friday	78915	Electronics Paper- VII DSC D 9 (Digital Modulation and Mobile telephone system )	78913	Geology Paper- VII DSC D 21 (Stratigraphy and Lalaeontology)
	78921	Biochemistry Optional Paper – VII DSC D29	78914	Microbiology Paper- VII DSC D 25 (Microbial Genetics & Molecular Biology)
			79290	Astro Physics & Space Sci. Paper – VII DSC D 35 (Cosmic Electrodynamics )
			79289	Nano Technology Paper – VII DSC D37 (Introduction to Nanoelectronics)
21-01-2023 Saturday	78915	Electronics Paper- VIII DSC D 10 (Microcontroller and Embedded System)	78913	Geology Paper- VIII DSC D22 (Palaeontology)
	78921	Biochemistry Optional Paper- VI DSC D 30 (Metabolism of Amino Acids And Nutrition)	78914	Microbiology Paper- VIII DSC D 26 (Basic in Medical Microbiology & Immunology)
			79290	Astro Physics & Space Sci. Paper – VIII DSC D 36 (Thermal Physics)
			79289	Nano Technology Paper – VIII DSC D38 (Nanobiotechnology)

### IMPORTANT

In Case of any Query found in respective Question Paper, student shall communicate the same through Principal/Senior Supervisor within 07 days from the date of concerned Question Paper to Deputy Registrar, Appointment Section, Room No. 205 Exam . Building No. 1 Shivaji University, Kolhapur- 416004.

Note: -

The Examination Programme is subject to change, **Candidates are therefore advised to see the Exam. Programme if there is any change in the Examination Programme the University is not responsible for loss or inconvenience caused to the candidates.**

VIDYANAGAR  
KOLHAPUR – 416 004  
Date :- 26 / 12/ 2022

Sd/-  
Director,  
Board of Examinations and Evaluation