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**SHIVAJI UNIVERSITY, KOLHAPUR-416004, MAHARASHTRA**

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शिवाजी विद्यापीठ, कोल्हापूर-416004 महाराष्ट्र

दूरध्वनी : संचालक, परीक्षा व मुल्यमापन मंडळ: 0231-2693176

अभियांत्रिकी व तंत्रज्ञान परीक्षा विभाग : 0231-2609122

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Ref. SU/Engg.&Tech.Exam.Sect./M.Tech CBCS - Prog/ 905

Date : 10 APR 2024

To,  
The Principals/Directors,  
Affiliated Colleges / Institutes

Sub:- Draft Programme of the M.Tech CBCS Summer Examination  
May 2024.

Sir/Madam,

Please find enclosed here with the Theory Examination Programme of M. Tech CBCS semester I & II examinations of May 2024. A request to display the same on the notice board of your college immediately for the information of the students and teachers concerned.

The Programme hosted on the University website i.e. [www.unishivaji.ac.in](http://www.unishivaji.ac.in)

Thanking you,

Yours faithfully,

  
I/c Dy. Registrar

Encl : as above.

Copy for information and further necessary action.

1. Office of Hon'ble Director, Board of Examinations & Evaluation
2. Dy. Registrar, Pre-Exam
3. Dy. Registrar, Post-Exam
4. Appointment Section
5. Strong Room
6. Godown Section
7. CAP Section
8. Lapses Section

## SHIVAJI UNIVERSITY, KOLHAPUR

Circular No. 350, Exam of May 2024.

### Draft Programme M. Tech CBCS . Semester I & II Exam to be held in May 2024

#### INSTRUCTIONS :-

- 1) Common instruction as per Circular No.SU/Appointment Section/RVC/55 , Dated 20/01/2024 & No.SU/Appointment Section/RVC/99 , Dated 08/02/2024 available on University web [www.unishivaji.ac.in](http://www.unishivaji.ac.in).
- 2) Common Instruction as per Circular No. SU/Appointment/RVC/301, 304,305 dated 13<sup>th</sup>, 14<sup>th</sup> & 16<sup>th</sup> September, 2020, SU/On Exam/29, Dt. 01/02/2020 and also available on University website [www.unishivaji.ac.in](http://www.unishivaji.ac.in).

#### The Centers and places of the Examination will be as under :

Sr. No	Centre Code	College Code	College Name
1	8	8	Dr. J. J. Magdum College of Engineering, Jaysingpur
2	03	281	Bharti Vidyapeeths College of Engineering, Morewadi, Kolhapur.

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## M. Tech CBCS - Course Code 1156

<b>BRANCH – MECHANICAL</b>			<b>New Course From Dec - 2018</b>
<b>SUB-BRANCH - Mechanical-Design Engineering</b>			
<b>Semester-I</b>			<b>Time: 10.30 a.m. to 01.30 p.m</b>
<b>DAY</b>	<b>DATE</b>	<b>SUB CODE</b>	<b>SUB NAME</b>
03/05/2024	Friday	72048	Mathematical Modeling and Design Optimization
09/05/2024	Thursday	72049	Solid Mechanics
11/05/2024	Saturday	72050	Advanced Finite Element Analysis
14/05/2024	Tuesday	<b>Elective-I</b>	
		72053	Material Handling Equipment Design
		72051	Reliability Engineering
		72052	Process Equipment Design
		72054	Product Design And Development
16/05/2024	Thursday	<b>Elective-II</b>	
		72055	Robotics
		72056	Machine Tool Design
		72057	Advanced Design Engineering
		72058	Reverse Engineering

<b>SUB-BRANCH - Mechanical-Design Engineering</b>			<b>New Course From May - 2019</b>
<b>Semester-II</b>			
			<b>Time:02.30 p.m. to 05.30 p.m.</b>
<b>DAY</b>	<b>DATE</b>	<b>SUB CODE</b>	<b>SUB NAME</b>
04/05/2024	Saturday	72697	Vibration Engineering
10/05/2024	Friday	72698	Smart Materials and Structure
13/05/2024	Monday	72699	Analysis and Synthesis of Mechanisms
15/05/2024	Wednesday	<b>Elective-III</b>	
		72700	Experimental Stress Analysis
		72701	Design for Sustainably and Life Cycle Cost
		72702	Tribology
		72703	Open Elective
17/05/2024	Friday	<b>Elective-IV</b>	
		72704	Noise and Vibration Harshness
		72705	Vehicle Dynamics
		72706	Engineering Fracture Mechanics
		72707	Design for Manufacture and Assembly



<b>SUB-BRANCH - Mechanical Heat Power Engineering</b>			<b>New Course From Dec - 2018</b>
<b>Semester-I</b>			<b>Time: 10.30 a.m. to 01.30 p.m</b>
<b>DAY</b>	<b>DATE</b>	<b>SUB CODE</b>	<b>SUB NAME</b>
03/05/2024	Friday	72061	Advanced Fluid Mechanics
09/05/2024	Thursday	72062	Advanced Thermodynamics And Combustion
11/05/2024	Saturday	72063	Advanced Heat Transfer
14/05/2024	Tuesday	<b>Elective-I</b>	
		72064	Advanced I.C. Engines
		72065	Advanced Refrigeration
		72066	Advanced Power Plant Engineering
16/05/2024	Thursday	<b>Elective-II</b>	
		72067	Advanced Automobile Engineering -
		72068	Design of Air Conditioning Systems
		72069	Advanced Automobile Engineering

<b>SUB-BRANCH - Mechanical Heat Power Engineering</b>			<b>New Course From May - 2019</b>
<b>Semester-II</b>			<b>Time:02.30 p.m. to 05.30 p.m.</b>
<b>DAY</b>	<b>DATE</b>	<b>SUB CODE</b>	<b>SUB NAME</b>
04/05/2024	Saturday	72711	Numerical Computation of Fluid and Heat Flow
10/05/2024	Friday	72712	Energy Analysis of Thermal Systems
13/05/2024	Monday	72713	Design of Heat Transfer Equipment's
15/05/2024	Wednesday	<b>Elective-III</b>	
		72714	Design of Renewable Energy Equipment's & Systems
		72715	Cryogenics
		72716	Open Elective
17/05/2024	Friday	<b>Elective-IV</b>	
		72717	Gas Turbines and Jet Propulsion
		72718	Advanced Mathematical Methods and Optimization
		72719	Design of Pumps, Compressors and Blowers

SUB-BRANCH - Mechanical Machine Design			New Course From Dec - 2018
Semester-I			Time: 10.30 a.m. to 01.30 p.m
DAY	DATE	SUB CODE	SUB NAME
03/05/2024	Friday	72105	Solids Mechanics
09/05/2024	Thursday	72106	Mathematical Modeling And Design Optimization
11/05/2024	Saturday	72107	Vibrations Engineering
14/05/2024	Tuesday	<b>Elective-I</b>	
		72108	Tribology
		72109	Process Equipment Design
		72110	Finite Element Analysis
		72111	Mechatronics
16/05/2024	Thursday	<b>Elective-II</b>	
		72112	Vibration Control And Condition Monitoring
		72113	Product Design And Development
		72114	Material Handling Equipment Design
		72115	Robotics

SUB-BRANCH - Mechanical Machine Design			New Course From May - 2019
Semester-II			Time:02.30 p.m. to 05.30 p.m.
DAY	DATE	SUB CODE	SUB NAME
04/05/2024	Saturday	72759	Mechanics of Machinery
10/05/2024	Friday	72760	Advanced Machine Design
13/05/2024	Monday	72761	Advanced Materials
15/05/2024	Wednesday	<b>Elective-III</b>	
		72762	Experimental Stress Analysis
		72763	Composite Materials
		72764	Advanced Machine Tool Design
17/05/2024	Friday	<b>Elective-II</b>	
		72766	Noise and Vibration Harshness
		72767	Vehicle Dynamics
		72768	Engineering Fracture Mechanics
		72769	Reliability Engineering

<b>BRANCH – ELECTRONICS</b>			<b>New Course From Dec - 2018</b>
<b>Semester-I</b>		<b>Time: 10.30 a.m. to 01.30 p.m</b>	
<b>DAY</b>	<b>DATE</b>	<b>SUB CODE</b>	<b>SUB NAME</b>
03/05/2024	Friday	72016	Advanced Digital Signal Processing
09/05/2024	Thursday	72017	Cosmos VLSI Design
11/05/2024	Saturday	72018	Random Signal Processing
14/05/2024	Tuesday	<b>Elective - I</b>	
		72019	High Performance Communication Network
		72020	Design of Digital Circuit & Logic Design
		72021	Advanced Communication Systems
16/05/2024	Thursday	<b>Elective - II</b>	
		72022	Software Defined Rad ios
		72023	Image Processing & Applications
		72024	Design Of VLSI Systems
		72025	Wireless Sensor Networks
		72026	Industrial Dc Drives

<b>BRANCH – ELECTRONICS</b>			<b>New Course From May - 2019</b>
<b>Semester-II</b>		<b>Time:02.30 p.m. to 05.30 p.m.</b>	
<b>DAY</b>	<b>DATE</b>	<b>SUB CODE</b>	<b>SUB NAME</b>
04/05/2024	Saturday	72230	Real Time Embedded System Design
10/05/2024	Friday	72231	Power Electronics Systems
13/05/2024	Monday	<b>Elective - III</b>	
		72232	Design & Analysis of Algorithms
		72233	Design of Analog & Mixed Mode VLSI Circuits
		72234	RF & Microwave Circuits
15/05/2024	Wednesday	<b>Elective - IV</b>	
		72235	Advanced Wireless Communication
		72236	Fuzzy Systems
		72237	VLSI in Digital Signal Processing
		72238	Nano Technology
17/05/2024	Friday	<b>Elective - V</b>	
		72239	Cryptography & Network Security
		72240	Advanced Process Control
		72241	Renewable & Distributed Energy Systems
		72242	Internet of Things
		72243	Robotic Design & Control



BRANCH – ELECTRONICS & TELECOMMUNICATION			New Course From Dec - 2018
Semester-I		Time: 10.30 a.m. to 01.30 p.m	
DAY	DATE	SUB CODE	SUB NAME
03/05/2024	Friday	72040	Advanced Embedded System
09/05/2024	Thursday	72041	Error Control Coding Techniques
11/05/2024	Saturday	72042	Advanced Wireless Communication
14/05/2024	Tuesday	<b>Elective – I</b>	
		72043	Random Process
		72044	Digital Data Compression
		72045	Advanced Biomedical Signal Processing
16/05/2024	Thursday	<b>Elective – II</b>	
		72046	Optimization techniques
		72047	Mobile Computing
		72431	Design of VLSI Systems
		72432	Internet Traffic Engineering
		72433	Advanced Antenna Theory

BRANCH – ELECTRONICS & TELECOMMUNICATION			New Course From May - 2019
Semester-II		Time:02.30 p.m. to 05.30 p.m.	
DAY	DATE	SUB CODE	SUB NAME
04/05/2024	Saturday	72683	Computer Vision
10/05/2024	Friday	72684	Adhoc & Wireless Sensor Networks
13/05/2024	Monday	<b>Elective – III</b>	
		72685	Cryptography & Network Security
		72686	Multi Rate System
		72687	Advanced Light Wave Communication
15/05/2024	Wednesday	<b>Elective – IV</b>	
		72688	DSP Architecture & Algorithm
		72689	Advanced Microwave Circuit Design
		72690	SDR & Cognitive Radio Technology
		72691	Industry Automation & Process Control
		72692	Nanotechnology
17/05/2024	Friday	<b>Elective – V</b>	
		72693	Advanced Operating Systems
		72694	Artificial Intelligence
		72695	Soft Computing
		72696	Cyber Security

BRANCH – COMPUTER SCIENCE AND TECHNOLOGY			New Course From Dec - 2018
Semester-I			Time: 10.30 a.m. to 01.30 p.m
DAY	DATE	SUB CODE	SUB NAME
03/05/2024	Friday	72028	Mathematical Foundations of Computer Science
09/05/2024	Thursday	72029	Design of Database Systems
11/05/2024	Saturday	72030	Advanced Algorithms
14/05/2024	Tuesday	<b>Elective – I</b>	
		72031	Advanced Network Protocol
		72032	Ad-Hoc Wireless Network
		72033	Pervasive Computing
16/05/2024	Thursday	<b>Elective – II</b>	
		72034	Cloud And Virtualization
		72035	High Performance Computing Architectures
		72036	Advanced Operating Systems

BRANCH – COMPUTER SCIENCE AND TECHNOLOGY			New Course From May - 2019
Semester-II			Time:02.30 p.m. to 05.30 p.m.
DAY	DATE	SUB CODE	SUB NAME
04/05/2024	Saturday	72245	Systems and Information Security
10/05/2024	Friday	72246	Machine Learning
13/05/2024	Monday	<b>Elective – III</b>	
		72247	Data Analytics
		72248	Data Warehousing and Data Mining
		72249	Business Analytics
15/05/2024	Wednesday	<b>Elective – IV</b>	
		72250	Deep Learning
		72251	Computer Vision
		72252	Pattern Recognition
17/05/2024	Friday	<b>Elective – V</b>	
		72512	Parallel and Distributed Computing
		72513	Information Retrieval
		72514	Natural Language Processing



BRANCH – CHEMICAL			New Course From Dec - 2018
Semester-I			Time: 10.30 a.m. to 01.30 p.m
DAY	DATE	SUB CODE	SUB NAME
03/05/2024	Friday	72080	Advanced Momentum And Heat Transfer
09/05/2024	Thursday	72081	Advanced Chemical Engineering Thermodynamics
11/05/2024	Saturday	72082	Process Modeling In Chemical Engineering
14/05/2024	Tuesday	<b>Elective – I</b>	
		72083	Nano Technology
		72084	Green Technology
		72085	Pharmaceutical Biotechnology
16/05/2024	Thursday	<b>Elective – II</b>	
		72086	Catalysis And Surface Phenomena
		72087	Bioprocess Engineering
		72088	Materials Engineering
		72089	Process And Equipment Design

BRANCH – CHEMICAL			New Course From May - 2019
Semester-II			Time:02.30 p.m. to 05.30 p.m.
DAY	DATE	SUB CODE	SUB NAME
04/05/2024	Saturday	72732	Advanced Mass Transfer
10/05/2024	Friday	72733	Modern Reaction Engineering
13/05/2024	Monday	72734	Chemical Process Control
15/05/2024	Wednesday	<b>Elective – III</b>	
		72735	Computational Fluid Dynamics
		72736	Energy Engineering
		72737	Research Methodology
17/05/2024	Friday	<b>Elective – IV</b>	
		72739	Project Management
		72740	Advance Separation Techniques
		72741	Downstream Process Technology
		72742	Operational Research

BRANCH – CAD-CAM-CAE			New Course From Dec - 2018	
Semester-I			Time: 10.30 a.m. to 01.30 p.m	
DAY	DATE	SUB CODE	SUB NAME	
	03/05/2024	Friday	72092	Computer Aided Design
	09/05/2024	Thursday	72093	Advanced Machine Design
	11/05/2024	Saturday	72094	Advanced Finite Element Analysis
14/05/2024	Tuesday	<b>Elective – I</b>		
		72095	Mechatronics System Design	
		72096	Design & Development of CAD/CAM/CAE Engineering	
		72097	Theory of Plasticity and Elasticity	
			72098	Design of Hydraulic and Pneumatic System
16/05/2024	Thursday	<b>Elective – II</b>		
		72099	Design of Experiment and Research Methodology	
		72100	Automatic Control	
		72101	Optimization Techniques	
			72102	Tribology & Surface Engineering

BRANCH – CAD-CAM-CAE			New Course From May - 2019	
Semester-II			Time:02.30 p.m. to 05.30 p.m.	
DAY	DATE	SUB CODE	SUB NAME	
	04/05/2024	Saturday	72745	Manufacturing Systems Design
	10/05/2024	Friday	72746	Computer Aided Manufacturing
	13/05/2024	Monday	72747	Product Life Cycle Management
15/05/2024	Wednesday	<b>Elective – III</b>		
		72748	Nanotechnology	
		72749	Rapid Manufacturing	
		72750	Computational Fluid Dynamics	
			72751	Open Elective
17/05/2024	Friday	<b>Elective – IV</b>		
		72752	Design for Manufacturing and Assembly	
		72753	Ind. Automation and Robotics	
		72754	CAD/CAM/CAE Practices in Metal forming	
			72755	Industrial Product Design

<b>BRANCH – CIVIL</b>			<b>New Course From Dec - 2018</b>
<b>Semester-I</b>			<b>Time: 10.30 a.m. to 01.30 p.m</b>
<b>SUB- BRANCH - CIVIL CONSTRUCTION &amp; MANAGEMENT</b>			
<b>DAY</b>	<b>DATE</b>	<b>SUB CODE</b>	<b>SUB NAME</b>
03/05/2024	Friday	72072	Construction Project Management
09/05/2024	Thursday	72073	Construction Equipment
11/05/2024	Saturday	72074	Project Economics & Financing
14/05/2024	Tuesday	72075	Computational Methods and Optimization Techniques
16/05/2024	Thursday	<b>Elective I</b>	
		72076	Entrepreneurship in Construction
		72077	Human Resource Development in Construction
		72078	Repair and Rehabilitation of Structures
		72079	Ground Improvement Techniques

<b>BRANCH – CIVIL</b>			<b>New Course From May - 2019</b>
<b>Semester-II</b>			<b>Time:02.30 p.m. to 05.30 p.m.</b>
<b>SUB- BRANCH - CIVIL CONSTRUCTION &amp; MANAGEMENT</b>			
<b>DAY</b>	<b>DATE</b>	<b>SUB CODE</b>	<b>SUB NAME</b>
04/05/2024	Saturday	72723	Construction Contracts and Legal Aspects
10/05/2024	Friday	72724	Statistical Analysis and Research Methodology
13/05/2024	Monday	72725	Construction Methods and Techniques
15/05/2024	Wednesday	<b>Elective II</b>	
		72726	Advanced Construction
		72727	Environmental Impact Assessment
		72728	Advance Construction Materials & Building Services

**Important** - In case of any Query found in respective Question Paper, Student shall communicate the same through Principal/Senior Supervisor within 03 days from the date of concerned Question Paper to Deputy Registrar, Appointment Section, Room No. 205, Exam Building No. 1, Shivaji University, Kolhapur

Engineering & Technology Exam Section  
Date : 10 APR, 2024

  
 Director,  
 Board of Examinations and Evaluation