

## SHIVAJI UNIVERSITY, KOLHAPUR.

**Draft Programme** Circular No.744 Exam of May,2020

Faculty : Engineering

Course :**B.Tech.Examination Credit System (Course Code 149)**

**B. Tech. Credit System** Examination to be held in May, 2020

**INSTRUCTIONS** :Common instruction as per Circular No. SU/On Exam/29, dated 01.02.2020, and also available on University website [www.unishivaji.ac.in](http://www.unishivaji.ac.in)

1	B. Tech. Credit System Part – I , Sem – II syllabus Only for Fresh (Regular) students from 2016-17
2	B. Tech. Credit System Part – II , Sem – IV syllabus Only for Fresh (Regular) students from 2017-18
3	B. Tech. Credit System Part – III , Sem – VI syllabus Only for Fresh (Regular) students from 2018-19
4	B. Tech. Credit System Part – IV , Sem – VIII syllabus Only for Fresh (Regular) students from 2019-20

**First Year B. Tech. - Semester - II**

**( Credit System New Syllabus w.e.f. 2016-17 )**

**(Time :- 10.00 a.m. to 01.00 p.m.)**

Day & Date	Branches	Paper
<b>04.05.2020 Monday</b>	1. Electronics & Comm. Technology	Engineering Mathematics - II 67931 Compulsory for Group ( 'A' & 'B' )
	2. Computer Science & Technology	
	3. Chemical Technology	
	4. Civil Engineering	
	5. Food Technology	
	6. Mechanical Engineering	
<b>06.05.2020 Wednesday</b>	1. Electronics & Comm. Technology	Engineering Physics 67942 ( Group ' B ' )
	2. Computer Science & Technology	Engineering Chemistry 67932 ( Group ' A ' )
	3. Chemical Technology	
	4. Civil Engineering	
	5. Food Technology	
	6. Mechanical Engineering	
<b>09.05.2020 Saturday</b>	1. Electronics & Comm. Technology	Engineering Mechanics 67943 ( Group ' B ' )
	2. Computer Science & Technology	Fundamentals of Civil Engineering 67933 ( Group ' A ' )
	3. Chemical Technology	
	4. Civil Engineering	
	5. Food Technology	
	6. Mechanical Engineering	
<b>12.05.2020 Tuesday</b>	1. Electronics & Comm. Technology	Fundamentals of Mechanical Engg. 67944 ( Group ' B ' )
	2. Computer Science & Technology	Engineering Graphics 67934 (Group ' A ' ) <b>Time :- 10.00 a.m. to 02.00 p.m.</b>
	3. Chemical Technology	
	4. Civil Engineering	
	5. Food Technology	
	6. Mechanical Engineering	
<b>14.05.2020 Thursday</b>	1. Electronics & Comm. Technology	Electronic Components and Devices 67945 ( Group ' B ' )
	2. Computer Science & Technology	Fundamentals of Electrical Engg. 67935 (Group ' A ' )
	3. Chemical Technology	
	4. Civil Engineering	
	5. Food Technology	
	6. Mechanical Engineering	

**Second Year B. Tech. - Semester - IV**

**(Credit System New Syllabus w.e.f. 2017-18)**

**(Time :- 10.00 a.m. to 01.00 p.m.)**

<b>Day &amp; Date</b>	<b>Branches</b>	<b>Paper</b>	<b>Code</b>
<b>05.05.2020 Tuesday</b>	1. Electronics & Comm. Technology	Electronics Circuit Analysis & Design - II	70161
	2. Computer Science & Technology	Theory of Computation	70205
	3. Civil Engineering	Theory of Structures - I	69838
	4. Food Technology	Food Process Engineering - I	70185
	5. Chemical Technology	Chemistry - II	70138
	6. Mechanical Engineering	Applied Mathematics	70225
<b>08.05.2020 Friday</b>	1. Electronics & Comm. Technology	Communication Technology	70162
	2. Computer Science & Technology	Advanced Microprocessor	70206
	3. Civil Engineering	Engineering Geology	69839
	4. Food Technology	Food Additives & Contaminants	70186
	5. Chemical Technology	Chemical Engineering Thermodynamics - II	70139
	6. Mechanical Engineering	Mechanics of Material	70226
<b>11.05.2020 Monday</b>	1. Electronics & Comm. Technology	Linear Integrated Circuits	70163
	2. Computer Science & Technology	Computer Organization	70207
	3. Civil Engineering	Fluid Mechanics - II	69840
	4. Food Technology	Food Biochemistry	70187
	5. Chemical Technology	Chemical Process Calculations	70140
	6. Mechanical Engineering	Theory of Machine - I <b>( Time :- 10.00 a.m. to 02.00 p.m.)</b>	70227
<b>13.05.2020 Wednesday</b>	1. Electronics & Comm. Technology	Measurement Techniques	70164
	2. Computer Science & Technology	Computer Network	70208
	3. Civil Engineering	Concrete Technology	69841
	4. Food Technology	Human Nutrition	70188
	5. Chemical Technology	Heat Transfer Operations	70141
	6. Mechanical Engineering	Fluid and Turbo Machinery	70228
<b>15.05.2020 Friday</b>	1. Electronics & Comm. Technology	Industrial Organization Management	70165
	2. Computer Science & Technology	Computational Mathematics	70209
	3. Civil Engineering	Building Planning and Drawing <b>( Time :- 10.00 a.m. To 02.00 p.m.)</b>	69842
	4. Food Technology	Fluid Mechanics	70189
	5. Chemical Technology	Mechanical Operations	70142
	6. Mechanical Engineering	Material Science and Metallurgy	70229

10.05.2020 Sunday	1. Electronics & Comm. Technology	****Environmental Studies**** (Time :- 11.00 a.m. to 02.00 p.m.)	69847
	2. Computer Science & Technology		
	3. Civil Engineering		
	4. Food Technology		
	5. Chemical Technology		
	6. Mechanical Engineering		

**T. Y. B. Tech. - Semester - VI**  
**(Credit System New Syllabus w.e.f. 2018-19)**  
**(Time :- 02.30 p.m. to 05.30 p.m.)**

Day & Date	Branches	Paper	Code
04.05.2020 Monday	1. Electronics & Comm. Technology	Digital Signal Processing	70862
	2. Computer Science & Technology	Compiler Construction	71194
	3. Chemical Technology	Chemical Reaction Engineering - II	70919
	4. Mechanical Engineering	Machine Design - II	70851
	5. Food Technology	Sugar and Confectionery Technology	70898
	6. Civil Engineering	Theory of Structures - II	70830
06.05.2020 Wednesday	1. Electronics & Comm. Technology	Operating Systems	70863
	2. Computer Science & Technology	Operating System - II	71195
	3. Chemical Technology	Organic Chemical Technologies	70922
	4. Mechanical Engineering	Control Engineering	70852
	5. Food Technology	Technology of Cereals and Bakery Products	70899
	6. Civil Engineering	Water Resource Engineering - I	70831
09.05.2020 Saturday	1. Electronics & Comm. Technology	Antenna & Wave Propagation	70864
	2. Computer Science & Technology	Object Oriented Modeling & Design	71196
	3. Chemical Technology	Industrial Pollution Control	70920
	4. Mechanical Engineering	Internal Combustion Engines	70853
	5. Food Technology	Industrial Economic and Management	70902
	6. Civil Engineering	Transportation Engineering - II	70832
12.05.2020 Tuesday	1. Electronics & Comm. Technology	VLSI Design	70865
	2. Computer Science & Technology	Database Engineering	71197
	3. Chemical Technology	Mass Transfer Operations - II	70921
	4. Mechanical Engineering	Metrology and Quality Control	70854
	5. Food Technology	Bio-Chemical Engineering	70900
	6. Civil Engineering	Environmental Engineering - II	70833
14.05.2020 Thursday	1. Electronics & Comm. Technology	Control Systems	70866
	2. Computer Science & Technology	Engineering Economics	71198
	3. Chemical Technology	Process Instrumentation and Control	70923
	4. Mechanical Engineering	Industrial Engineering and Management	70855

14.05.2020 Thursday	5. Food Technology	Process Equipment Design & Drawing	70901
	6. Civil Engineering	Geotechnical Engineering - II	70834

**Final Year B. Tech. - Semester - VIII**

**(Credit System)**

**(Time :- 02.30 p.m. To 05.30 p.m.)**

Day & Date	Branches	Paper	Code
05.05.2020 Tuesday	1. Electronics & Comm. Technology	Broadband Communication	64437
	2. Computer Science & Technology	Mobile Technology	64362
	3. Chemical Technology	Energy Conversion in Chemical Industries	64387
	4. Mechanical Engineering	Automobile Engineering	64576
	5. Food Technology	Post Harvest Technology of Plantation Crops	64490
	6. Civil Engineering	Design of RCC Structure - II	66756
		<b>(Time :- 01.30 p.m. To 05.30 p.m.)</b>	
08.05.2020 Friday	1. Electronics & Comm. Technology	Satellite Communication	64612
	2. Computer Science & Technology	Information Security	64363
		Software Testing and Quality Assurance	64394
	3. Chemical Technology	Process Modeling and Simulation	64388
	4. Mechanical Engineering	Total Quality Management	64577
	5. Food Technology	Design & Development of New Products	64491
	6. Civil Engineering	Town and Country Planning	66757
11.05.2020 Monday	1. Electronics & Comm. Technology	Antennas & Radar Engineering	64439
	2. Computer Science & Technology	Soft Computing	64364
	3. Chemical Technology	Special Chemical Technologies - II	64389
	4. Mechanical Engineering	Mechatronics and Robotics	64578
	5. Food Technology	Waste Management of Food Industries	64492
		Industrial Economics and Management	64493
	6. Civil Engineering	Construction Practices	66758
13.05.2020 Wednesday	1. Electronics & Comm. Technology	ARM & Embedded Systems	64440
	2. Computer Science & Technology	Data Mining & Warehousing	64366
	3. Chemical Technology	Transport Phenomena	64390
	4. Mechanical Engineering	Power Plant Engineering	64579
	5. Food Technology	Food Plant Design and Layout	64498
	6. Civil Engineering	EL-2 Water Resources Planning & Management	67112
		Advanced Water & Waste Water Treatment	67049

15.05.2020 Friday	1. Electronics & Comm. Technology	Fuzzy Logic and Applications	64441
		High Speed Digital Design	64442
		Digital Image Processing	64443
	2. Computer Science & Technology	Industrial Management	64368
		Real Time Operating System	64369
		Optimization Techniques	64370
	3. Chemical Technology	Petrochemical Technology	64615
		Industrial Biotechnology	64616
		Polymer Technology	64617
		Food Process Technology	64618
Environmental Chemistry & Biochemistry		64619	

15.05.2020 Friday	4. Mechanical Engineering	CFD - Computational Fluid Dynamics	64580
		Vibration & Noise	64581
		Nano Technology	64582
		Machine Tools Design	64583
	5. Food Technology	Flavors Technology	64494
		Snack Foods Technology	64495
		Sugar Technology	64496
		Energy Systems & Technology	64497
	6. Civil Engineering	EL-3 Water Power Engineering	67331

**Final Year B. Tech. - Semester - VIII**

**(Credit System New Syllabus w.e.f. 2019-20)**

**(Time :- 02.30 p.m. To 05.30 p.m.)**

Day & Date	Branches	Paper	Code
05.05.2020 Tuesday	1. Electronics & Comm. Technology	Broadband Communication	74240
	2. Computer Science & Technology	Mobile Technology	74208
	3. Chemical Technology	Energy Resources and Utilization	74231
	4. Mechanical Engineering	Automobile Engineering	74272
	5. Food Technology	Post Harvest Technology of Plantation Crops	74259
	6. Civil Engineering	Design of RCC Structures - II	74287
<b>(Time :- 01.30 p.m. To 05.30 p.m.)</b>			
08.05.2020 Friday	1. Electronics & Comm. Technology	Satellite and Radar Engineering	72241
	2. Computer Science & Technology	Information Security	74209
	3. Chemical Technology	Process Economics and Project Engineering	74232
	4. Mechanical Engineering	Total Quality Management	74275

	5. Food Technology	Design and Development of New Products	74260
	6. Civil Engineering	Town and Country Planning	74289
<b>11.05.2020 Monday</b>	1. Electronics & Comm. Technology	Optical Fiber Communication	74242
	2. Computer Science & Technology	Soft Computing	74210
	3. Chemical Technology	Special Chemical Technologies	74233
	4. Mechanical Engineering	Mechatronics and Robotics	74274
	5. Food Technology	Waste Management of Food Industries	74261
	6. Civil Engineering	Construction Practices	74288
<b>13.05.2020 Wednesday</b>	1. Electronics & Comm. Technology	Mobile Communication	74243
	2. Computer Science & Technology	Big Data Technology	74211
		Data Mining and Warehousing	74212
		Service Oriented Architecture	74213
	3. Chemical Technology	Transport Phenomena	74234
	4. Mechanical Engineering	Power Plant Engineering	74273
	5. Food Technology	Food Plant Design and Layout	74266
	6. Civil Engineering	Advanced Design of Structures	74290
		Advanced Geotechnical Engineering	74291
		Development Engineering	74292
Design of Concrete Bridges		74293	
		Structural Dynamics	74294
<b>15.05.2020 Friday</b>	1. Electronics & Comm. Technology	Fuzzy Logic and Applications	74244
		High Speed Digital Design	74245
		Digital Image Processing	74246
		Biomedical Instrumentation and Technology	74247
		RF Circuit Design	74248
		Software Defined Radio	74249
		Remote Sensing and GIS	74250
		Machine Learning	74251
<b>15.05.2020 Friday</b>	2. Computer Science & Technology	Industrial Management	74214
		Real Time Operating System	74215
		Optimization Techniques	74216
	3. Chemical Technology	Petrochemical Technology	74221
		Industrial Biotechnology	74222
		Polymer Technology	74223
		Food Process Technology	74224
		Interfacial Science and Engineering	74225

	Environmental Chemistry and Biochemistry	74226
	Advanced Material	74227
	Project Management	74228
	Applications in Chemical Processes	74229
4. Mechanical Engineering	Vibration and Noise	74277
	Nano Technology	74278
	Machine Tool Design	74279
	Industrial Automation and Robotics	74280
	Open Elective	74281
	Computational Fluid Dynamics	74276
5. Food Technology	Flavors Technology	74262
	Snack Foods Technology	74263
	Sugar Technology	74264
	Energy Systems and Technology	74265
6. Civil Engineering	Engineering Optimization	74295
	Engineering Economics and Valuation	74296
	Finite Element Method	74297
	Numerical Methods	74298
	Remote Sensing and GIS Application	74299

**Four Hour Duration Papers:-**

- |                                  |   |
|----------------------------------|---|
| 1. Engineering Graphics          | 67934 - Time : 10.00 a.m. To 02.00 p.m. |
| 2. Theory of Machine – I         | 70227 - Time : 10.00 a.m. To 02.00 p.m. |
| 3. Building Planning and Drawing | 69842 - Time : 10.00 a.m. To 02.00 p.m. |
| 4. Design of RCC Structure – II  | 66756 - Time : 01.30 p.m. To 05.30 p.m. |
| 5. Design of RCC Structure – II  | 74287 - Time : 01.30 p.m. To 05.30 p.m. |

**Odd Time Paper**

- |                          |   |
|--------------------------|---|
| 1. Environmental Studies | 69847 - Time : 11.00 a.m. To 02.00 p.m. |
|--------------------------|---|

**N.B:**

The Practical Examination will be conducted in the Collages before the commencement of Theory Examination.

**Engineering & Technology Exam Section**  
**Date - 28/02/2020**

**Sd/-**  
**Shri. G. R. Palse**  
**I/c. Director,**  
**Board of Examinations and Evaluations.**