



# PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

## EXAM OF 2020 SEMESTER PATTERN EXAMINATION

### FINAL PROGRAM OF THE BACHELOR OF TECHNOLOGY (M.TECH.) EXAMINATIONS IN THE BRANCHES

#### EXAMINATION TO BE HELD IN MAR/APR-2020

[1] CIVIL STRUCTURAL  
ENGINEERING

[4] ELECTRONICS & TELE-COMM.  
ENGG

[2] MECHANICAL DESIGN  
ENGINEERING

[5] COMPUTER SCIENCE  
& ENGG

[3] ELECTRONICS  
ENGINEERING

1. Candidates are requested to be present at their respective places of Examinations FIFTEEN MINUTES before the time starting of the first paper and TEN MINUTES before the time starting of each subsequent paper. They are forbidden to take any book or paper into the Examination Hall.
2. **Important Note:** Code Numbers given in the Bracket are Computer Code of respective Subjects, Students should mention these Code Numbers on Answer Books with Name of the Subject. Also write these Code Numbers on JSR (Junior Supervisor Report) and related documents.
3. We will conduct the TE-I & II and BE-I Exam of the repeaters student only. The final BE-II Exam will be conducted for the fresh students
4. The time for the exam is one and half hours (1 ½)
5. All the student are here by informed that the time slot given in the time table shows 5 hrs for each day. But you will get 1 ½ hrs to solve the paper. If any student has two paper in one day that time he will be solving two papers within 5 hours.

The Written Examination will be conducted in the following order:

**[1] Civil – (Structures Engineering)**

Day & Date	Sr. No.	<b>F.Y. (M.Tech.) Sem – I (New w.e.f. June 2018)</b> <b>(CBCS PATTERN JUNE-2018)</b> <b>Time: 11:30 a.m. to 04:30 p.m.</b> <b>(Only 1 ½ hrs out of this slot)</b>
Monday 05/10/2020	1	Advanced structural analysis (70710101)
Tuesday 06/10/2020	2	Advanced solid Mechanics (70710102)
Wednesday 07/10/2020	3	Structural dynamics (70710103)
Thursday 08/10/2020	4	Research Methodology and IPR© (70710104)
Friday 09/10/2020	5 6 7 8	<b>Elective - I</b> 1. Advanced Design of Concrete Structures (70710106) 2. Design of Formwork (70710107) 3. Advanced Design of Foundation (70710108) 4. Structural Optimization (70710109)

Day & Date	Sr. No.	<b>F.Y. (M.Tech.) Sem – II (New w.e.f. Nov. 2018)</b> <b>(CBCS PATTERN JUNE-2018)</b> <b>Time: 11:30 a.m. to 04:30 p.m.</b> <b>(Only 1 ½ hrs out of this slot)</b>
Monday 05/10/2020	9	FEM in structural Engineering (70710201)
Tuesday 06/10/2020	10	Theory of plates and shells (70710202)
Wednesday 07/10/2020	11	Seismic design of multistoried buildings (70710203)
Thursday 08/10/2020	12 13 14 15	<b>Elective - II</b> 1. Design of Prestressed Concrete Structures (70710206) 2. Structural Audits (70710207) 3. Concrete Composites (70710208) 4. Design of Industrial Structures (70710209)
Friday 09/10/2020	16 17 18 19	<b>Elective - III</b> 1. Theory of Structural Stability (70710210) 2. Design of RCC Bridges (70710211) 3. Advanced Steel Design (70710212) 4. Soil Structure Interaction (70710213)

Day & Date	Sr. No.	<b>S.Y. (M.Tech.) Sem – III (New w.e.f. June. 2019)</b> <b>(CBCS PATTERN JUNE-2018)</b> <b>Time: 11:30 a.m. to 04:30 p.m.</b> <b>(Only 1 ½ hrs out of this slot)</b>
Monday 05/10/2020	20 21 22 23	<b>Open Elective-</b> 1) Business Analytics (70710305) 2) Operation Research (70710306) 3) Cost Management of Engineering Projects (70710307) 4) Non conventional Energy (70710308)

**[2] Mechanical – (Design Engineering)**

Day & Date	Sr. No.	<b>F.Y. (M.Tech.) Sem – I (Neww.e.f. June 2018)</b> <b>(CBCS PATTERN JUNE-2018)</b> <b>Time: 11:30 a.m. to 04:30 p.m.</b> <b>(Only 1 ½ hrs out of this slot)</b>
Monday 05/10/2020	24	Advanced stress analysis (7072101)
Tuesday 06/10/2020	25	Advanced Vibrations and Acoustics (7072102)
Wednesday 07/10/2020	26	Industrial Instrumentation (7072103)
Thursday 08/10/2020	27	Research Methodology and IPR© (7072104)
Friday 09/10/2020	28 29 30 31	<b><u>Elective - I</u></b> 1. Computational Techniques in Design Engineering (7072106) 2. Reliability Engineering (7072107) 3. Mechanical System Design (7072108) 4. Computer Aided Design (7072109)

Day & Date	Sr. No.	<b>F.Y. (M.Tech.) Sem – II (Neww.e.f. Nov. 2018)</b> <b>(CBCS PATTERN JUNE-2018)</b> <b>Time: 11:30 a.m. to 04:30 p.m.</b> <b>(Only 1 ½ hrs out of this slot)</b>
Monday 05/10/2020	32	Finite Element Method (7072201)
Tuesday 06/10/2020	33	Advanced Design Engineering (7072202)
Wednesday 07/10/2020	34	Industrial Product Design (7072203)
Thursday 08/10/2020	35 36 37 38	<b><u>Elective - II</u></b> 1. Theory and Analysis of Composite Materials (7072206) 2. Engineering Design Optimization (7072207) 3. Industrial Tribology (7072208) 4. Advanced Engineering Materials (7072209)
Friday 09/10/2020	39 40 41 42	<b><u>Elective - III</u></b> 1. Engineering Fracture Mechanics (7072210) 2. Project Management (7072211) 3. Design for Manufacture and Assembly (7072212) 4. Analysis and Synthesis of Mechanisms and Machine (7072213)

Day & Date	Sr. No.	<b>S.Y. (M.Tech.) Sem – III (New w.e.f. June. 2019)</b> <b>(CBCS PATTERN JUNE-2018)</b> <b>Time: 11:30 a.m. to 04:30 p.m.</b> <b>(Only 1 ½ hrs out of this slot)</b>
Monday 05/10/2020	43 44 45 46	<b>Open Elective-</b> 1) Business Analytics (7072304) 2) Operation Research (7072305) 3) Cost Management of Engineering Projects (7072306) 4) Non conventional Energy (7072307)

**[3] Electronics Engineering**

Day & Date	Sr. No.	<b>F.Y. (M.Tech.) Sem – I (Neww.e.f. June 2018)</b> <b>(CBCS PATTERN JUNE-2018)</b> <b>Time: 11:30 a.m. to 04:30 p.m.</b> <b>(Only 1 ½ hrs out of this slot)</b>
Monday 05/10/2020	47	Digital Design and Verification (7078101)
Tuesday 06/10/2020	48	Advanced Digital Signal Processing (7078102)
Wednesday 07/10/2020	49	Voice and Data Networks (7078103)
Thursday 08/10/2020	50	Machine Learning© (7078104)
Friday 09/10/2020	51 52 53 54	<b>Elective - I</b> 1. Wireless Sensor Networks (7078106) 2. Analog & Digital CMOS VLSI Design (7078107) 3. Image and Video Processing (7078108) 4. Neural Networks & Fuzzy Control Systems (7078109)

Day & Date	Sr. No.	<b>F.Y. (M.Tech.) Sem – II (Neww.e.f. Nov. 2018)</b> <b>(CBCS PATTERN JUNE-2018)</b> <b>Time: 11:30 a.m. to 04:30 p.m.</b> <b>(Only 1 ½ hrs out of this slot)</b>
Monday 05/10/2020	55	Research Methodology & IPR© (7078201)
Tuesday 06/10/2020	56	Communication Buses & Interfaces (7078202)
Wednesday 07/10/2020	57	Advanced IOT (7078203)
Thursday 08/10/2020	58	PLC, SCADA and Distributed Control Systems (7078204)
Friday 09/10/2020	59 60 61 62	<b>Elective - II</b> 1. Mobile Technology (7078206) 2. Real Time Systems (7078207) 3. VLSI in Signal Processing (7078208) 4. Advanced Control Systems (7078209)

Day & Date	Sr. No.	<b>S.Y. (M.Tech.) Sem – III (New w.e.f. June. 2019)</b> <b>(CBCS PATTERN JUNE-2018)</b> <b>Time: 11:30 a.m. to 04:30 p.m.</b> <b>(Only 1 ½ hrs out of this slot)</b>
<b>Monday</b> <b>05/10/2020</b>	63 64 65 66	<b>Open Elective-</b> 1) Business Analytics (7078307) 2) Operation Research (7078308) 3) Cost Management of Engineering Projects (7078309) 4) Non conventional Energy (7078310)
<b>Tuesday</b> <b>06/10/2020</b>	67 68 69	<b>Self Learning</b> 1) Network and Internet Security (7078304) 2) Programmable System on Chip (PSoC) (7078305) 3) Advanced Process Control (7078306)

**[4] Electronics & Telecommunication Engineering**

Day & Date	Sr. No.	<b>F.Y. (M.Tech.) Sem – I (Neww.e.f. June 2018)</b> <b>(CBCS PATTERN JUNE-2018)</b> <b>Time: 11:30 a.m. to 04:30 p.m.</b> <b>(Only 1 ½ hrs out of this slot)</b>
Monday 05/10/2020	70	Research Methodology & IPR (7076101)
Tuesday 06/10/2020	71	Antenna Design and Application (7076102)
Wednesday 07/10/2020	72	Soft Computing Methods (7076103)
Thursday 08/10/2020	73	Advanced Network System (7076104)
Friday 09/10/2020	74 75 76	<b>Elective - I</b> 1. Biomedical Signal Processing (7076106) 2. Advanced Embedded System (7076107) 3. Automotive Electronics (7076108)

Day & Date	Sr. No.	<b>F.Y. (M.Tech.) Sem – II (New w.e.f. Nov. 2018)</b> <b>(CBCS PATTERN JUNE-2018)</b> <b>Time: 11:30 a.m. to 04:30 p.m.</b> <b>(Only 1 ½ hrs out of this slot)</b>
Monday 05/10/2020	77	Advanced Internet of Things (7076201)
Tuesday 06/10/2020	78	RF Circuit Design (7076202)
Wednesday 07/10/2020	79	Artificial Intelligence & Machine Learning (7076203)
Thursday 08/10/2020	80	Cryptography and Network Security (7076204)
Friday 09/10/2020	81 82 83	<b>Elective - II</b> 1. Communication System Design (7076206) 2. Multimedia Processing (7076207) 3. Automation and Industrial Robotics (7076208)

Day & Date	Sr. No.	<b>S.Y. (M.Tech.) Sem – III (New w.e.f. June. 2019)</b> <b>(CBCS PATTERN JUNE-2018)</b> <b>Time: 11:30 a.m. to 04:30 p.m.</b> <b>(Only 1 ½ hrs out of this slot)</b>
Monday 05/10/2020	84 85 86 87	<b>Open Elective-</b> 1) Business Analytics (7076307) 2) Operation Research (7076308) 3) Cost Management of Engineering Projects (7076309) 4) Non conventional Energy (7076310)
Tuesday 06/10/2020	88 89 90	<b>Self Learning</b> 1) Remote Sensing (7076305) 2) Programmable System on Chip (PSoC) (7076304) 3) Multimedia Network (7076306)

**[5] Computer Science & Engineering**

Day & Date	Sr. No.	<b><u>F.Y. (M.Tech.) Sem – I (New w.e.f. June 2018)</u></b> <b>(CBCS PATTERN JUNE-2018)</b> <b>Time: 11:30 a.m. to 04:30 p.m.</b> <b>(Only 1 ½ hrs out of this slot)</b>
Monday 05/10/2020	91	Applied Algorithms (7079101)
Tuesday 06/10/2020	92	Theory of Computation (7079102)
Wednesday 07/10/2020	93	Data Mining (7079103)
Thursday 08/10/2020	94	Machine Learning© (7079104)
Friday 09/10/2020	95 96 97 98	<b><u>Elective - I</u></b> 1.Natural Language Processing (7079106) 2.Soft Computing (7079107) 3.Computer Vision (7079108) 4. Object Oriented Software Engineering (7079109)
Day & Date	Sr. No.	<b><u>F.Y. (M.Tech.) Sem – II (New w.e.f. Nov. 2018)</u></b> <b>(CBCS PATTERN JUNE-2018)</b> <b>Time: 11:30 a.m. to 04:30 p.m.</b> <b>(Only 1 ½ hrs out of this slot)</b>
Monday 05/10/2020	99	Research Methodology & IPR© (7079201)
Tuesday 06/10/2020	100	Internet of Things (7079202)
Wednesday 07/10/2020	101	Internet Routing Algorithm (7079203)
Thursday 08/10/2020	102 103 104 105	<b><u>Elective - II</u></b> 1.Reinforcement Learning (7079205) 2.Advanced Cloud Computing (7079206) 3.High Performance Computing (7079207) 4. Software Defined Network (7079208)
Friday 09/10/2020	106 107 108 109	<b><u>Elective - III</u></b> 1.Wireless Sensor Network (7079209) 2.Infrastructure Management (7079210) 3.Real Time Operating System (7079211) 4. <b>Advances in Database Systems</b> (7079212)

Day & Date	Sr. No.	<b>S.Y. (M.Tech.) Sem – III (New w.e.f. June. 2019)</b> <b>(CBCS PATTERN JUNE-2018)</b> <b>Time: 11:30 a.m. to 04:30 p.m.</b> <b>(Only 1 ½ hrs out of this slot)</b>
<b>Monday</b> <b>05/10/2020</b>	110 111 112 113	<b>Open Elective-</b> 1) Business Analytics (7079307) 2) Operation Research (7079309) 3) Cost Management of Engineering Projects (7079310) 4) Non conventional Energy (7079311)
<b>Tuesday</b> <b>06/10/2020</b>	114 115 116 117	<b>Self Learning</b> 1) Big Data (7079304) 2) Computer Network Administration (7079305) 3) Open Source Technologies (7079306) 4) Usability Engineering (7079307)

**NOTE:**

1. Candidates are permitted to use stencils at the Examination.
2. Candidates for Examination are expected to provide themselves with slide rules.
3. The exchange of loan of slide rules, drawing instruments or other material used in the Examination is not permitted while the Examination is in progress. Candidates must bring their own Instruments.
4. Candidates are allowed to use the electronic calculators for numerical calculations at their own cost. University will not supply such calculators.
5. The Examination Programme is subject to change; if there is any change in the Programme of Examination the University is not responsible for the loss or inconvenience caused to the candidate.
6. Seating arrangement is made date-wise & subject-wise; therefore candidates are requested to see their seating arrangement one day before the date of Examination.

Please visit -<http://su.digitaluniversity.ac>

Ref No.: PAHSUS/EXAM/TIME-TABLE/2020/817

Date : 28/09/2020

**Sd/-**  
**I/C Director**  
Board of Examinations and Evaluation