

PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

EXAM OF 2022 SEMESTER PATTERN EXAMINATION

FINAL PROGRAM OF THE BACHELOR OF TECHNOLOGY (B.TECH.)

EXAMINATIONS IN THE BRANCHES

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|------------------------------|----------------------------|-----------------------------|
| [1] CIVIL ENGINEERING | [2] MECHANICAL ENGINEERING | [3] ELECTRONICS ENGINEERING |
| [4] ELECTRONICS & TELE-COMM. | [5] COMPUTER SCI & ENGG | [6] INFORMATION TECHNOLOGY |
| [7] ELECTRICAL ENGINEERING | | |

MAR/APRIL. 2022 EXAMINATION TO BE HELD IN JULY-2022

- 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.
- 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.
- All the Candidates are asked to follow the timely instructions given by University in accordance with the examinations methodology.

The Written Examinations will be held at the following places:

Sr.No.	Center	College Abbreviation	Place
1	Solapur	WIT	Walchand Institute of Technology
2		BMIT	Brahmdevdada Mane Institute of Technology
3		NBNSCOE	N.B.Navale Sinhgad College of Engg., Kegaon
4	Pandharpur	COEP	SVERI College of Engineering, Pandharpur
5		SCOEK	S.K.N. Sinhgad College of Engg. Korti
6	Akluj	SMPIT	S.M. Shankarrao Mohite-Patil Inst. of Tech. and Research, Akluj
7	Barshi	MITCORER	MIT College of Railway Engineering and Research, Jamgaon, Barshi

Day & Date	Sr. No.	T.Y. (B.Tech.) (Civil Engg.) Sem – I (New w.e.f. Nov. 2020) (CBCS PATTERN) Time: 09.00 am to 10:00 am
Thursday 14/07/2022	1	Design of Steel Structures (197042501)
Friday 15/07/2022	2	Geotechnical Engineering (197042502)
Saturday 16/07/2022	3	Waste water Engineering & Air Pollution (197042503)
Sunday 17/07/2022	4	Highway & Tunnel Engineering (197042504)
Monday 18/07/2022	5	Hydrology and Water Resources Engineering (197042505)
Tuesday 19/07/2022	6 7 8 9 10 11	Self Learning 1. Economics (197042509) 2. Intellectual Property Rights for Technology Development and Management (197042510) 3. Introduction to Sociology (197042511) 4. Stress and Coping (197042512) 5. Professional Ethics & Human Value (197042513)

Day & Date	Sr. No.	T.Y. (B.Tech.) (Civil Engg.) Sem – II (New w.e.f. Nov.2020) (CBCS PATTERN) Time: 11.00 am to 12.00 pm
Thursday 14/07/2022	12	Foundation Engineering (197042601)
Friday 15/07/2022	13	Hydraulic Structures & Water Power Engg (197042602)
Saturday 16/07/2022	14	Professional Elective-I a) Masonry Structures (197042607)
	15	b) Structural Analysis by Matrix Methods (197042608)
	16	c) Structural Dynamics (197042609)
	17	d) Structural Geology (197042610)
	18	e) Urban Transportation Planning. (197042611)
	19	f) Pavement Design (197042612)
	20	g) Metro Systems and Engineering (197042613)
	21	h) Construction Engineering Materials (197042614)
	22	i) Systems Engineering & Economics (197042615)
	23	j) Infrastructure Planning and Management (197042616)
	24	k) Ecological Engineering (197042617)
	25	l) Solid and Hazardous Waste Management (197042618)
	26	m) Physico-Chemical Processes for Water and Wastewater Treatment(197042619)
	27	n) Hydraulic modeling (197042620)
28	o) Urban Hydrology and Hydraulics (197042621)	
29	p) Instrumentation & Sensor Technologies for Civil Engg. Applications(197042622)	
30	q) Open Channel flow & River Hydraulics (197042623)	
Sunday 17/07/2022	31	Design of Concrete Structures-I (197042603)
Monday 18/07/2022	32	Principles of Management and Quantitative Techniques (197042604)
Tuesday 19/07/2022	33	Self Learning 6. Geosynthetics and Reinforced Soil Structures (197042624) 7. Rural Roads (197042625) 8. Planning for Sustainable Development (197042626) 9. TQM and MIS in Civil Engineering (197042627) 10. Earthquake Resistant Non Engineered Construction (197042628)
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Day & Date	Sr. No.	Fourth.Y. (B.Tech.) (Civil Engg.) Sem – I (New w.e.f. June 2021) (CBCS PATTERN) Time: 05.00 pm to 06.00 pm
Saturday 16/07/2022	38	Engineering Economics, Estimation & Costing (197042701)
Sunday 17/07/2022	39	Construction Engineering, Management & Construction Practices (197042702)
Monday 18/07/2022	40	Design of Concrete Structures-II (197042703)
Tuesday 19/07/2022	41	Earthquake Engineering (197042704)
Wednesday 20/07/2022	42 43 44 45 46 47 48 49 50	Professional Elective-II a) Metal Structure Behaviour- I (197042709) b) Advanced Structural Analysis (197042710) c) Finite Element Method (197042711) d) Traffic Engineering and Management (197042712) e) Geosynthetics and soil structures (197042713) f) Advanced Railway Track (197042714) g) Construction Productivity (197042715) h) Environmental Systems (197042716) i) Water Power Engineering (197042717)

Day & Date	Sr. No.	Fourth.Y. (B.Tech.) (Civil Engg.) Sem – II (New w.e.f. OCT 2021) (CBCS PATTERN) Time: 03.00 pm to 04.00 pm
Saturday 16/07/2022	51 52 53 54 55 56 57 58 59 60	Professional Elective-III Industrial Structures (197042805) Public Transportation Systems (197042807) Construction Cost Analysis (197042810) Rural Water Supply and Onsite Sanitation Systems (197042812) Repairs & Rehabilitation of Structures (197042806) Airport Planning and Design (197042808) Construction Equipment & Automation (197042811) Air & Noise Pollution and Control (197042813) High Speed Rail Engineering (197042809) Surface Hydrology (197042814)
Sunday 17/07/2022	61 62 63 64 65 66 67 68 69 70	Professional Elective-IV Metal Structure Behaviour – II (197042815) Infrastructure Planning and Design (197042817) Advanced Concrete Technology (197042821) Water and Air Quality Modelling (197042823) Design of Bridges (197042816) Transportation Economics (197042818) Entrepreneurship (197042822) Water Resources Field Methods (197042824) Railway Project Design & Planning for Civil Engineering (197042819) Ground Improvement Techniques (197042820)
Monday 18/07/2022	71	Railway & Harbour Engineering (197042801)
Tuesday 19/07/2022	72	Open Elective-III :Economic policies in India (197042802)
Wednesday 20/07/2022	73	Professional Practice, Law & Ethics (197042803)

Day & Date	Sr. No.	T.Y. (B.Tech.) (Mechanical Engg.) Sem – I (New w.e.f. June 2020) (CBCS PATTERN) Time: 09.00 am to 10:00 am
Thursday 14/07/2022	74	Machine Design –I (197041501)
Friday 15/07/2022	75	CAD-CAM & CAE (197041502)
Saturday 16/07/2022	76	Metallurgy (197041503)
Sunday 17/07/2022	77	Industrial Engineering and Operation Research (197041504)
Monday 18/07/2022	78 79 80 81	Professional Elective-I a) Gas turbines (197041507) b) Industrial Hydraulics and Pneumatics Composite Material (197041508) c) Non Conventional Machining (197041509) d) Tool Engineering (197041510)
Tuesday 19/07/2022	82 83 84 85 86	Self Learning 1. Economics (197041512) 2. Intellectual Property Rights for Technology Development and Management (197041513) 3. Introduction to Sociology (197041514) 4. Stress and Coping (197041515) 5. Professional Ethics & Human Value (197041516)

Day & Date	Sr. No.	T.Y. (B.Tech.) (Mechanical Engg.) Sem – II (New w.e.f. Nov. 2020) (CBCS PATTERN) Time: 11.00 am to 12.00 pm
Thursday 14/07/2022	87	Machine Design –II (197041601)
Friday 15/07/2022	88	Instrumentation & Control (197041602)
Saturday 16/07/2022	89	Heat Transfer (197041603)
Sunday 17/07/2022	90	Industrial & Quality Management (197041604)
Monday 18/07/2022	91 92 93 94 95	Professional Elective-IV A) Project Management (197041608) B) Industrial Product Design (197041609) C) Plastic Engineering (197041610) D) Mechanical Vibrations (197041611) E) Railway Transportation. (197041612)
Tuesday 19/07/2022	96 97 98 99	Self Learning 6. MANUFACTURING OF COMPOSITES (197041613) 7. DESIGN PRACTICE (197041614) 8. JOINING TECHNOLOGIES FOR METALS (197041615) 9. STEAM POWER ENGINEERING (197041616)

Day & Date	Sr. No.	Fourth.Y. (B.Tech.) (Mechanical Engg.) Sem – I (New w.e.f. June 2021) (CBCS PATTERN) Time: 05.00 pm to 06.00 pm
Saturday 16/07/2022	100	Refrigeration and Air Conditioning (197041701)
Sunday 17/07/2022	101	Automobile Engineering (197041702)
Monday 18/07/2022	102	Robotics and Artificial Intelligence (197041703)
Tuesday 19/07/2022	103 104 105 106 107 108	Professional Elective- V a) Production and Operations Management (197041706) b) Computational Fluid Dynamics (197041707) c) Process Engineering (197041708) d) Finite Element Method (197041709) e) Tribology (197041710) f) Railway Systems Management (197041711)
Wednesday 20/07/2022	109 110 111 112 113 114	Open Elective a) Costing and Cost Control (197041712) b) Entrepreneurship Development (197041713) c) Business Development (197041714) d) Product Life Cycle Management (197041715) e) Business Economics (197041716) f) Reliability Engineering (197041717)

Day & Date	Sr. No.	T.Y. (B.Tech.) (Electronics Engg.) Sem – I (New w.e.f. NOV. 2020) (CBCS PATTERN) Time: 09.00 am to 10:00 am
Thursday 14/07/2022	115	Digital Communication (197047501)
Friday 15/07/2022	116	Digital Signal Processing (197047502)
Saturday 16/07/2022	117	Microcontrollers (197047503)
Sunday 17/07/2022	118	Electro Magnetic Engineering (197047504)
Monday 18/07/2022	119 120 121 122 123	Open Elective-I a) Information Technology & Management (197047506) b) Hybrid Electric Vehicle Design (197047507) c) Business Ethics (197047508) d) Managerial Economics (197047509)
Tuesday 19/07/2022	124 125 126 127 128	Self Learning 10. Economics (197047510) 11. Intellectual Property Rights for Technology Development and Management (197047511) 12. Introduction to Sociology (197047512) 13. Stress and Coping (197047513) 14. Professional Ethics & Human Value (197047514)

Day & Date	Sr. No.	T.Y. (B.Tech.) (Electronics Engg.) Sem – II (New w.e.f. NOV. 2020) (CBCS PATTERN) Time: 11.00 am to 12.00 pm
Thursday 14/07/2022	129	Computer Networks (197047601)
Friday 15/07/2022	130	Embedded Systems (197047602)
Saturday 16/07/2022	131	Electronics System Design (197047603)
Sunday 17/07/2022	132	VLSI Design (197047604)
Monday 18/07/2022	133 134 135 136	Open Elective-II A) OPERATING SYSTEMS (197047606) b) Optical Communication (197047608) c) Sensors and Applications (197047609) d) Advanced Control System (197047607)
Tuesday 19/07/2022	137 138 139 140	Self Learning 15. ROBOTICS (197047610) 16. AUTOMOTIVE ELECTRONICS (197047611) 17. ELECTRONIC INSTRUMENTATION (197047612) 18. PROGRAMMING WITH JAVA (197047613)

Day & Date	Sr. No.	Fourth.Y. (B.Tech.) (Electronics Engg.) Sem – I (New w.e.f. June 2021) (CBCS PATTERN) Time: 05.00 pm to 06.00 pm
Saturday 16/07/2022	141	Power Electronics (197047701)
Sunday 17/07/2022	142	CMOS VLSI Design (197047702)
Monday 18/07/2022	143	Mobile Technology (197047703)
Tuesday 19/07/2022	144	Internet of Things (197047704)
Wednesday 20/07/2022	145 146 147	Open Elective - I a) Image Processing (197047707) b) Mechatronics (197047708) c) Database Management Systems (197047709)

Day & Date	Sr. No.	Fourth.Y. (B.Tech.) (Electronics Engg.) Sem – II (New w.e.f. Oct. 2021) (CBCS PATTERN) Time: 03.00 pm to 04.00 pm
Saturday 16/07/2022	148	Advanced Communication Engineering (197047801)
Sunday 17/07/2022	149	Audio Video Systems (197047802)
Monday 18/07/2022	150 151 152	Elective -II Speech processing (197047804) PLC and Industrial Controllers (197047805) Data Analytics (197047806)
Tuesday 19/07/2022	153 154 155	Elective -III Broadband Communication (197047807) Biomedical Instrumentation (197047808) Computer Architecture (197047809)

Day & Date	Sr. No.	T.Y. (B.Tech.) (Computer Science & Engg.) Sem – I (New w.e.f. June 2020) (CBCS PATTERN) Time: 09.00 am to 10:00 am
Thursday 14/07/2022	156	System Programming (197043501)
Friday 15/07/2022	157	Operating Systems (197043502)
Saturday 16/07/2022	158	Software Engineering (197043503)
Sunday 17/07/2022	159	\$ Database Engineering (197043504)
Monday 18/07/2022	160	Design and Analysis of Algorithm (197043505)
Tuesday 19/07/2022	161 162 163 164 165	Self Learning 1. Economics (197043509) 2. Intellectual Property Rights for Technology Development and Maagement (197043510) 3. Introduction to Sociology (197043511) 4. Stress and Coping (197043512) 5. Professional Ethics & Human Value (197043513)

Day & Date	Sr	T.Y. (B.Tech.) (Computer Science & Engg.) Sem – II (New w.e.f. June 2020) (CBCS PATTERN) Time: 11.00 am to 12.00 pm
Thursday 14/07/2022	166	Compiler Construction (197043601)
Friday 15/07/2022	167	Unix Operating System (197043602)
Saturday 16/07/2022	168	Computer Organization and Architecture (197043603)
Sunday 17/07/2022	169	Artificial Intelligence (197043604)
Monday 18/07/2022	170 171 172	Elective OBJECT ORIENTED MODELING & DESIGN (197043607) ARTIFICIAL NEURAL NETWORK (197043608) DATA SCIENCE (197043609)
Tuesday 19/07/2022	173 174	Self Learning 6. UI / UX Technology (197043610) 7. Software Licences and Practices (197043611)

Day & Date	Sr. No.	Fourth.Y. (B.Tech.) (Computer Engg.) Sem – I (New w.e.f. June 2021) (CBCS PATTERN) Time: 05.00 pm to 06.00 pm
Saturday 16/07/2022	175	Distributed Systems (197043701)
Sunday 17/07/2022	176	Machine Learning (197043702)
Monday 18/07/2022	177	Modern Database System (197043703)
Tuesday 19/07/2022	178 179 180	Elective -II a) Internet of Things (197043707) b) Software Testing and Quality Assurance (197043708) c) Adhoc and Sensor Networks (197043709)
Wednesday 20/07/2022	181 182 183	Elective -III a) Business Intelligence (197043710) b) - Data Mining (197043711) c) Real Time Systems (197043712)

Day & Date	Sr. No.	Fourth.Y. (B.Tech.) (Computer Engg.) Sem – II (New w.e.f. Nov. 2021) (CBCS PATTERN) Time: 03.00 pm to 04.00 pm
Saturday 16/07/2022	184	Management Information System (197043801)
Sunday 17/07/2022	185	Information & Cyber Security (197043802)
Monday 18/07/2022	186 187	Elective -IV a) - Big data Analytics (197043805) b) Natural Language Programming (197043806)
Tuesday 19/07/2022	188 189	Elective -V a) Cloud Computing (197043807) b) - Deep Learning (197043808)

Day & Date	Sr. No.	T.Y. B. Tech. (Electronics & Telecommunication Engg Sem – I (New w.e.f. June 2020) (CBCS PATTERN) Time: 09.00 am to 10:00 am
Thursday 14/07/2022	190	Electromagnetic Field Theory (197044501)
Friday 15/07/2022	191	Digital Design & HDL (197044502)
Saturday 16/07/2022	192	Digital Signal Processing (197044503)
Sunday 17/07/2022	193	Microcontrollers and Applications (197044504)
Monday 18/07/2022	194 195 196 197	Open Elective-I a) Information Technology & Management (197044506) b) Hybrid Electric Vehicle Design (197044507) c) Business Ethics (197044508) d) Managerial Economics (197044509)
Tuesday 19/07/2022	198 199 200 201 202	Self Learning 1. Economics (197044510) 2. Intellectual Property Rights for Technology Development and Management (197044511) 3. Introduction to Sociology (197044512) 4. Stress and Coping (197044513) 5. Professional Ethics & Human Value (197044514)

Day & Date	Sr No	T.Y. B. Tech. (Electronics & Telecommunication Engg Sem –II (New w.e.f. June 2020) (CBCS PATTERN) Time: 11.00 am to 12.00 pm
Thursday 14/07/2022	203	Antenna & Wave Propagation (197044601)
Friday 15/07/2022	204	Embedded System (197044602)
Saturday 16/07/2022	205	Electronic System Design (197044603)
Sunday 17/07/2022	206	Advanced Mobile Communication (197044604)
Monday 18/07/2022	207 208 209 210	Open Elective-II a) Optical Communication (197044608) b) Sensors & Applications (197044609) c) Operating Systems (197044606) d) Advanced Control System (197044607)
Tuesday 19/07/2022	211 212 213	Self Learning a. Computer Organization (197044610) b. Renewable Energy Systems (197044611) c.. Soft Computing (197044612)

Day & Date	Sr. No.	Fourth.Y. (B.Tech.) (E & TC Engg.) Sem – I (New w.e.f. June 2021) (CBCS PATTERN) Time: 05.00 pm to 06.00 pm
Saturday 16/07/2022	214	Machine Learning (197044701)
Sunday 17/07/2022	215	Data Communication (197044702)
Monday 18/07/2022	216	Internet of Things (197044703)
Tuesday 19/07/2022	217	Database Management System (197044704)
Wednesday 20/07/2022	218 219	Elective -II a) Image & Video Processing (197044707) b) Wireless Sensor Network (197044708)

Day & Date	Sr. No.	Fourth.Y. (B.Tech.) (E & TC Engg.) Sem – II (New w.e.f. Oct. 2021) (CBCS PATTERN) Time: 03.00 pm to 04.00 pm
Saturday 16/07/2022	220	Microwave Engineering (197044801)
Sunday 17/07/2022	221	CMOS VLSI Design (197044802)
Monday 18/07/2022	222 223	Elective -III a. Industrial IOT (197044804) b. Artificial Intelligence and Applications (197044805)
Tuesday 19/07/2022	224 225	Elective -IV a. Network Security (197044806) b. Data Analytics (197044807)

Day & Date	Sr. No.	T.Y. (B.Tech.) (Information Technology) Sem – I (New w.e.f. June 2020) (CBCS PATTERN) Time: 09.00 am to 10:00 am
Thursday 14/07/2022	226	Operating System (197046501)
Friday 15/07/2022	227	System Software (197046502)
Saturday 16/07/2022	228	Design and Analysis of Algorithms (197046503)
Sunday 17/07/2022	229	Database Engineering (197046504)
Monday 18/07/2022	230	Computer Organization and Architecture (197046505)
Tuesday 19/07/2022	231 232 232 233 234	Self Learning 1. Economics (197046507) 2. Intellectual Property Rights for Technology Development and Management (197046508) 3. Introduction to Sociology (197046509) 4. Stress and Coping (197046510) 5. Professional Ethics & Human Value (197046511)

Day & Date	Sr No.	<u>T.Y. (B.Tech.) (Information Technology) Sem – II (New w.e.f. June 2020)</u> (CBCS PATTERN) Time: 11.00 am to 12.00 pm
Thursday 14/07/2022	235	Software Engineering (197046601)
Friday 15/07/2022	236	Object Oriented Modeling and Design (197046602)
Saturday 16/07/2022	237	Artificial Intelligence (197046603)
Sunday 17/07/2022	238 239	Elective – I Data Science (197046607) Artificial Neural Network (197046608)
Monday 18/07/2022	240 241	Self Learning 6. USER INTERFACE TECHNOLOGIES (197046609) 7. AGILE PROJECT MANAGEMENT (197046610)

Day & Date	Sr. No.	<u>Fourth.Y. (B.Tech.) (Information Technology Engg.) Sem – I (New w.e.f. June 2021)</u> (CBCS PATTERN) Time: 05.00 pm to 06.00 pm
Saturday 16/07/2022	242	Machine Learning (197046701)
Sunday 17/07/2022	243	Advanced Database System (197046702)
Monday 18/07/2022	244	Software Testing and Quality Assurance (197046703)
Tuesday 19/07/2022	245	Distributed Systems (197046704)
Wednesday 20/07/2022	246 247 248 249 250	Elective -II a) Data Mining (197046707) b) Internet Of Things (197046708) c) Business Intelligence (197046709) d) C#.Net (197046710) e) Web Technology (197046711)

Day & Date	Sr. No.	Fourth.Y. (B.Tech.) (Information Technology Engg.) Sem – II (New w.e.f. Oct. 2021) (CBCS PATTERN) Time: 03.00 pm to 04.00 pm
Saturday 16/07/2022	251	Management Information System (197046801)
Sunday 17/07/2022	252	Information Assurance and Security (197046802)
Monday 18/07/2022	253 254	Elective - IV Big Data Analytics (197046805) Cloud Computing (197046806)
Tuesday 19/07/2022	255 256	Elective – V Natural Language Processing (197046807) Information Retrieval (197046808)

Day & Date	Sr. No.	T.Y. (B.Tech.) (Electrical Engg.) Sem – I (New w.e.f. June 2020) (CBCS PATTERN) Time: 09.00 am to 10:00 am
Thursday 14/07/2022	257	Power System-III (197045501)
Friday 15/07/2022	258	Linear Control System (197045502)
Saturday 16/07/2022	259	Microprocessor and Microcontroller (197045503)
Sunday 17/07/2022	260	Electromagnetic Engineering (197045504)
Monday 18/07/2022	261 262 263 264	Open Elective-I a) Information Technology & Management (197045506) b) Hybrid Electric Vehicle Design (197045507) c) Business Ethics (197045508) d) Managerial Economics (197045509)
Tuesday 19/07/2022	265 266 267 268 269	Self Learning 1. Economics (197045510) 2. Intellectual Property Rights for Technology Development and Management (197045511) 3. Introduction to Sociology (197045512) 4. Stress and Coping (197045513) 5. Professional Ethics & Human Value (197045514)

Day & Date	Sr. No.	T.Y. (B.Tech.) (Electrical Engg.) Sem – II (New w.e.f. June 2020) (CBCS PATTERN) Time: 11.00 am to 12.00 pm
Thursday 14/07/2022	270	Electrical Machine Design (197045601)
Friday 15/07/2022	271	Electrical Utilisation (197045602)
Saturday 16/07/2022	272	Power Electronics (197045603)
Sunday 17/07/2022	273	Signals & Systems (197045604)
Monday 18/07/2022	274 275 276 277	Open Elective-I a) Operating Systems (197045606) b) Advanced control System (197045607) c) Optical Communication (197045608) d) Sensors & Applications (197045609)
Tuesday 19/07/2022	278 279 280	Self Learning 6. Special Purpose Machines (197045610) 7. Electrical Safety (197045611) 8. Solar Photovoltaic System Design & Installation (197045612)

Day & Date	Sr. No.	Fourth.Y. (B.Tech.) (Electrical Engg.) Sem – I (New w.e.f. June 2021) (CBCS PATTERN) Time: 05.00 pm to 06.00 pm
Saturday 16/07/2022	281	Industrial Drives Control (197045701)
Sunday 17/07/2022	282	Power System and Operation Control (197045702)
Monday 18/07/2022	283	Renewable Energy Sources (197045703)
Tuesday 19/07/2022	284	Switchgear and Protection (197045704)
Wednesday 20/07/2022	285 286 287 288	Elective -I a) Energy Audit and Management (197045707) b) Digital Signal Processing (197045708) c) Programmable Logic Control and SCADA (197045709) d) High Voltage Engineering (197045710)

Day & Date	Sr. No.	Fourth.Y. (B.Tech.) (Electrical Engg.) Sem – II (New w.e.f. Nov. 2021) (CBCS PATTERN) Time: 03.00 pm to 04.00 pm
Saturday 16/07/2022	289	Power Quality & FACTS (197045801)
Sunday 17/07/2022	290	Extra High Voltage AC Transmission (197045802)
Monday 18/07/2022	291 292 293 294	Elective -II a) Power System Planning (197045804) b) Neural Network & Fuzzy Logic (197045805) c) Advance Electrical Drives (197045806) d) Smart Grid Technology (197045807)
Tuesday 19/07/2022	295 296 297 298	Elective -III a) Advance Control Engineering (197045808) b) Electrical Estimation and Installation (197045809) c) Instrumentation Process Control & Robotics (197045810) d) Power System Dynamics and stability (197045811)

Sd/-
Director
Board of Examinations and Evaluation

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Date : 29/06/2022