

PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

EXAM OF 2022 SEMESTER PATTERN EXAMINATION

FINAL PROGRAM OF THE MASTER OF ENGINEERING - M.E.

(ALL BRANCHES) SEMESTER – I TO III MAR/APRIL. 2022 EXAMINATION TO BE HELD IN JULY-2022

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

Sr. No.	Centre Name	College Abbreviation	College Name
1	Solapur	WIT	Walchand Institute of Technology
2		ORCHID	Orchid college of Engg. & 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

[1] Civil – (Structures Engineering)

ME (Civil – Structures Sem-I) (*w.e.f. June 2015) * (CBCS Pattern-2015)/(CGPA Pattern-2013)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 09:00 a.m. to 10: 15 a.m
Wednesday 27/07/2022	1	I	Theory of Elasticity & Plasticity (707101101)
Thursday 28/07/2022	2	II	Mechanics of Structures (707101102)
Friday 29/07/2022	3	III	Advanced Design of Concrete Structures (707101103)
Saturday 30/07/2022	4	IV	Dynamics of Structures (707101104)
Sunday 31/07/2022	5 6 7	V	Elective - I 1. Design of Foundation (707101105) 2. Advances in Concrete Composites (707101106) 3. Structural Optimization (707101107)

ME (Civil – Structures Engg. Sem-II) (w.e.f. Nov 2015) (CBCS Pattern-2015)/(CGPA Pattern-2013)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 11:00 a.m. to 12: 15 p.m
Wednesday 27/07/2022	8	VI	Theory of Plates & Shells (707101201)
Thursday 28/07/2022	9	VII	Finite Element Method (707101202)
Friday 29/07/2022	10	VIII	Earthquake Engineering (707101203)
Saturday 30/07/2022	11	IX	Advanced Design of Steel Structures (707101204)
Sunday 31/07/2022	12 13 14 15	X	Elective– II 1. Stability of Structures (707101205) 2. Design of R.C.C. Bridges (707101206) 3. Structural reliability (707101207) 4. Design of folder plates and shells (707101208)

[2] Mechanical – (Design Engineering)

ME (Mechanical – Design Engg. Sem-I) (w.e.f. June 2015) (CBCS Pattern-2015)/(CGPA Pattern-2013)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 09:00 a.m. to 10: 15 a.m
Wednesday 27/07/2022	16	I	Computational Techniques in Design Engg. (70721101)
Thursday 28/07/2022	17	II	Machine Dynamics (70721102)
Friday 29/07/2022	18	III	Solid Mechanics (70721103)
Saturday 30/07/2022	19	IV	Design of Experiment and Research Methodology (70721104)
Sunday 31/07/2022	20 21 22 23	V	<u>Elective-I</u> 1. Synthesis & Analysis of Mechanisms & Machines (70721105) 2. Industrial Instrumentation (70721106) 3. Reliability Engineering (70721107) 4. Mechanical System Design (70721108)

ME (Mechanical – Design Engg. Sem-II) (w.e.f. Nov 2015) (CBCS Pattern-2015)/(CGPA Pattern-2013)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 11:00 a.m. to 12: 15 p.m
Wednesday 27/07/2022	24	VI	Advanced Design Engineering (70721201)
Thursday 28/07/2022	25	VII	Finite Element Analysis (70721202)
Friday 29/07/2022	26	VIII	Experimental Stress Analysis (70721203)
Saturday 30/07/2022	27	IX	Industrial Product Design (70721204)
Sunday 31/07/2022	28 29 30 31	X	<u>Elective-II</u> 1. Industrial Tribology (70721205) 2. Engineering Fracture Mechanics (70721206) 3. Theory and Analysis of Composite Materials (70721207) 4. Engineering Design Optimization (70721208)

[3] Electronics Engineering

ME (Electronics Engg. Sem-I) (w.e.f. June 2015) (CBCS Pattern-2015)/(CGPA Pattern-2013)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 09:00 a.m. to 10: 15 a.m
Wednesday 27/07/2022	32	I	CMOS VLSI Design (70781101)
Thursday 28/07/2022	33	II	Advanced Digital Signal Processing (70781102)
Friday 29/07/2022	34	III	Advanced Network Engineering (70781103)
Saturday 30/07/2022	35	IV	Random Signal & Processes (70781104)
Sunday 31/07/2022	36	V	Elective-I 1. Design of Wireless System (70781105) OR
	37		2. Wireless Sensor Networks (70781106)
	38		3. Advanced Digital System Design (70781107)
	39		4. Image and Video Processing (70781108)
	40		5. Neural Networks & Fuzzy Control Systems (70781109)

ME (Electronics Engg.Sem-II) (w.e.f. Nov 2015) (CBCS Pattern-2015)/(CGPA Pattern-2013)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 11:00 a.m. to 12: 15p.m
Wednesday 27/07/2022	41	VI	Research Methodology (70781201)
Thursday 28/07/2022	42	VII	Embedded System Design (70781202)
Friday 29/07/2022	43	VIII	Peripheral System Design & Interfacing (70781203)
Saturday 30/07/2022	44	IX	Advanced Control Systems (70781204)
Sunday 31/07/2022	45	X	Elective- II 1. Mobile Technology (70781205)
	46		2. Real Time Systems (70781206)
	47		3. VLSI in Signal Processing (70781207)
	48		4. PLC, SCADA and Distributed Control System (70781208)

[4] Computer Science & Engineering

ME (Computer Science & Engg. Sem-I) (w.e.f. June 2015) (CBCS Pattern-2015)/(CGPA Pattern-2013)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 09:00 a.m. to 10: 15 a.m
Wednesday 27/07/2022	53	I	Theory of Computation (70791101)
Thursday 28/07/2022	54	II	Advanced Operating Systems (70791102)
Friday 29/07/2022	55	III	Analysis of Algorithms (70791103)
Saturday 30/07/2022	56	IV	Research Methodology (70791104)
Sunday 31/07/2022	57 58 59 60	V	Elective-I 1. Data Mining (70791105) 2. Mobile Computing (70791106) 3. Artificial Neural Network and Genetic Algorithm (70791107) 4. Enterprise Software Development (70791108)

ME (Computer Science & Engg. Sem-II) (w.e.f. Nov 2015) (CBCS Pattern-2015)/(CGPA Pattern-2013)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 11:00 a.m. to 12: 15 p.m
Wednesday 27/07/2022	61	VI	Internet Routing Algorithm (70791201)
Thursday 28/07/2022	62	VII	Advanced Database Concepts (70791202)
Friday 29/07/2022	63	VIII	Parallel Computer Architectures (70791203)
Saturday 30/07/2022	64 65 66 67	IX	Elective- II 1. Grid Computing (70791204) 2. Real Time Operating System (70791205) 3. Natural Language Processing (70791206) 4. Infrastructure Management (70791207)
Sunday 31/07/2022	68 69 70 71	X	Elective-III 1. Web Technology (70791208) 2. Business Intelligent System (70791209) 3. Object Oriented Software Engineering and Design Patterns (70791210) 4. Wireless Ad-hoc Network (70791211)

[5] Electronics & Telecommunication Engineering

ME (Electronics & Telecommunication Engg. Sem-I) (CBCS Pattern-2015) (w.e.f. June 2015)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 09:00 a.m. to 10: 15 a.m
Wednesday 27/07/2022	75	I	Research Methodology (70761101)
Thursday 28/07/2022	76	II	Antenna Theory and Design (70761102)
Friday 29/07/2022	77	III	Probability & Stochastic Processes (70761103)
Saturday 30/07/2022	78	IV	Advanced Network Systems (70761104)
Sunday 31/07/2022	79 80 81	V	Elective-I 1. Optical Networks (70761105) 2. Speech & Video Processing (70761106) 3. Advanced VLSI Design (70761107)

ME (Electronics & Telecommunication Engg. Sem-I) (Old) (CGPA Pattern 2013)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 01:00 p.m. to 03:15p.m.
Wednesday 27/07/2022	82	I	Advanced Light Wave Communication (91860)
Thursday 28/07/2022	83	II	Linear Algebra & Error Control Techniques (91861)

ME (Electronics & Telecommunication Engg. Sem-II) (CBCS Pattern-2015) (w.e.f. Nov 2015)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 09:00 a.m. to 10: 15 a.m
Wednesday 27/07/2022	84	VI	RF & Microwave Circuit Design (70761201)
Thursday 28/07/2022	85	VII	Advanced Signal Processing (70761202)
Friday 29/07/2022	86	VIII	Wireless Communication (70761203)
Saturday 30/07/2022	87	IX	Cryptography & Network Security (70761204)
Sunday 31/07/2022	88 89 90	X	Elective-II 1. Wireless Sensor Network & Optimization (70761205) 2. Wavelet Transform & Applications (70761206) 3. Advanced Embedded Systems (70761207)

[5] Electronics & Telecommunication Engineering

ME (Electronics & Telecommunication Engg. Sem-II) (CGPA Pattern w.e.f. Nov 2013) (Old)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 11:00 a.m. to 12: 15 p.m
Wednesday 27/07/2022	91 92 93	IX	Elective- II 1. Multi Rate Systems & Filter Banks (92174) 2. Cryptography & Network Security (92175) 3. Speech & Audio Processing (92176)
Thursday 28/07/2022	94 95 96 97	X	Elective-III 1. Mobile Computing (92177) 2. Stochastic Models & Queuing Theory (92178) 3. Communication System Design (92179) 4. Optical Networks (92180)

[6] Mechanical – (CAD/CAM Engineering)

ME Mechanical – (CAD/CAM Engg. Sem-I) (w.e.f. June 2015) (CBCS Pattern-2015)/(CGPA Pattern-2013)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 09:00 a.m. to 10: 15 a.m
Wednesday 27/07/2022	101	I	Advanced Machine Design (707111101)
Thursday 28/07/2022	102	II	Computer Aided Manufacturing (707111102)
Friday 29/07/2022	103	III	Finite Element Analysis (707111103)
Saturday 30/07/2022	104	IV	Design of Experiments & Research Methodology (707111104)
Sunday 31/07/2022	105 106 107 108 109 110	V	Elective- I 1. Mechatronic System Design (707111105) 2. Technology Management (707111106) 3. Tribology and Surface Engineering (707111107) 4. MEMS and Nano Technology (707111108) 5. Design and Development CAD/CAM/CAE software (707111109) 6. Advanced Material and Processing (707111110)

ME Mechanical – (CAD/CAM Engg. Sem-II) (w.e.f. Nov 2015) (CBCS Pattern-2015)/(CGPA Pattern-2013)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 11:00 a.m. to 12: 15 p.m
Wednesday 27/07/2022	111	VI	Manufacturing System Design (707111201)
Thursday 28/07/2022	112	VII	Product Life Cycle Management (707111202)
Friday 29/07/2022	113	VIII	Industrial Automation and Robotics (707111203)
Saturday 30/07/2022	114	IX	Optimization Techniques (707111204)
Sunday 31/07/2022	115 116 117 118 119 120 121	X	Elective-II 1. Computation Fluid Dynamics (707111205) 2. Quality and Reliability Engineering (707111206) 3. System Dynamics and Simulations (707111207) 4. Artificial Intelligence (707111208) 5. Automatic Control Engineering (707111209) 6. CAD/CAM/CAE Practices in Metal Forming (707111210) 7. Rapid Manufacturing (707111211)

[7] Mechanical Engineering

ME (Mechanical Engg. Sem-I) (w.e.f. June 2015) (CBCS Pattern-2015)/(CGPA Pattern-2013)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 09:00 a.m. to 10: 15 a.m
Wednesday 27/07/2022	122	I	Computational Techniques in Design Engineering (70711101)
Thursday 28/07/2022	123	II	Industrial Instrumentation (70711102)
Friday 29/07/2022	124	III	Solid Mechanics (70711103)
Saturday 30/07/2022	125	IV	Design of Experiment and Research Methodology (70711104)
Sunday 31/07/2022	126 127 128 129 130	V	Elective-I 1. Reverse Engineering (70711105) 2. Engineering Design Optimization (70711106) 3. Reliability Engineering (70711107) 4. FEM (70711108) 5. Synthesis & Analysis of Mechanisms & Machines (70711109)

ME (Mechanical Engg. Sem-II) (w.e.f. Nov 2015) (CBCS Pattern-2015)/(CGPA Pattern-2013)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 11:00 a.m. to 12: 15p.m
Wednesday 27/07/2022	131	VI	Design Engineering (70711201)
Thursday 28/07/2022	132	VII	Theory & Analysis of Composite Materials (70711202)
Friday 29/07/2022	133	VIII	Mechatronics System Design (70711203)
Saturday 30/07/2022	134	IX	Industrial Product Design (70711204)
Sunday 31/07/2022	135 136 137 138 139	X	Elective-II 1. Process Equipment Design (70711205) 2. Material Handling Equipment Design (70711206) 3. Machine Tool Design (70711207) 4. Robotics (70711208) 5. Tribology & Surface Engineering (70711209)

[8] Mechanical – (Manufacturing Process Engineering)

ME Mechanical – (Manufacturing Process Engg. Sem-I) (w.e.f. June 2015) (CBCS Pattern-2015)/(CGPA Pattern-2013)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 09:00 a.m. to 10: 15 a.m
Wednesday 27/07/2022	140	I	Advanced Manufacturing techniques- I (70741101)
Thursday 28/07/2022	141	II	Electro Physical Processes (70741102)
Friday 29/07/2022	142	III	Computer Aided Manufacturing (70741103)
Saturday 30/07/2022	143	IV	Reliability & Terotechnology (70741104)
Sunday 31/07/2022	144 145 146 147	V	Elective – I 1. Composite Materials (70741105) 2. Design For Manufacturing (70741106) 3. Management of Technology (70741107) 4. Database Management System (70741108)

ME (Mechanical – Manufacturing Process Engg. Sem-II) (w.e.f. Nov 2015) (CBCS Pattern-2015)/(CGPA Pattern-2013)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 11:00 a.m. to 12: 15 p.m
Wednesday 27/07/2022	148	VI	Advanced Manufacturing Techniques – II (70741201)
Thursday 28/07/2022	149	VII	Robotics & Robot Applications (70741202)
Friday 29/07/2022	150	VIII	Manufacturing Process Modeling (70741203)
Saturday 30/07/2022	151	IX	Machine Tool Engineering (70741204)
Sunday 31/07/2022	152 153 154 155	X	Elective – II 1. Total Quality Control (70741205) 2. Finite Element Methods (70741206) 3. Tribology (70741207) 4. Computational Techniques (70741208)

[9] Mechanical – (Thermal Engineering)

ME (Mechanical – Thermal Engineering Sem-I) (w.e.f. June 2015) (CBCS Pattern-2015)/(CGPA Pattern-2013)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 09:00 a.m. to 10: 15 a.m
Wednesday 27/07/2022	156	I	Advanced Fluid Mechanics & CFD (70731101)
Thursday 28/07/2022	157	II	Measurement in Thermal Systems (70731102)
Friday 29/07/2022	158	III	Advance Heat & Mass Transfer (70731103)
Saturday 30/07/2022	159	IV	Design of Experiments & Research Methodology (70731104)
Sunday 31/07/2022	160 161 162 163	V	Elective – I 1. Advanced Thermodynamics (70731105) 2. Turbo machines (70731106) 3. Combustion (70731107) 4. Steam & Gas Turbines (70731108)

ME (Mechanical – Thermal Engineering Sem-II) (w.e.f. Nov 2015) (CBCS Pattern-2015)/(CGPA Pattern-2013)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 11:00 a.m. to 12: 15p.m
Wednesday 27/07/2022	164	VI	Design of Thermal Systems (70731201)
Thursday 28/07/2022	165	VII	Computational Techniques in Thermal Engineering (70731202)
Friday 29/07/2022	166	VIII	Theory & Design of I.C. Engines (70731203)
Saturday 30/07/2022	167	IX	Design of Refrigeration & Air Conditioning System (70731204)
Sunday 31/07/2022	168 169 170 171	X	Elective-II 1. Power Plant Engineering (70731205) 2. Energy Analysis & Management (70731206) 3. Rocket Technology (70731207) 4. Cryogenics & Vacuum Technology (70731208)

[10] Electronics & Telecommunication Engineering - (Digital Elect. & Comm. System)

ME - Electronics & Telecom Engg – (Digital Electronics & Communication System Sem-I) (w.e.f. June 2015) (CBCS Pattern-2015)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 09:00 a.m. to 10: 15 a.m
Wednesday 27/07/2022	172	I	Research Methodology (70771101)
Thursday 28/07/2022	173	II	Communication Networks (70771102)
Friday 29/07/2022	174	III	CMOS VLSI Design (70771103)
Saturday 30/07/2022	175	IV	Modern Digital Signal Processing (70771104)
Sunday 31/07/2022	176 177 178	V	Elective-I 1. Color Image and Video Processing (70771105) 2. Fuzzy Logic (70771106) 3. Speech Processing (70771107)

ME (Electronics & Telecom Engg - Digital Electronics & Communication System Sem-I) (CGPA Pattern June 2013) (Old)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 01:00 p.m. to 03: 15p.m
Wednesday 27/07/2022	179	IV	Probability & Random Process (91474)
Thursday 28/07/2022	180	--	Elective-I Optical Communication Networks (91495)

ME - Electronics & Telecom Engg – (Digital Electronics & Communication System Sem-II) (w.e.f. Nov 2015) (CBCS Pattern-2015)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 11:00 a.m. to 12: 15 p.m
Wednesday 27/07/2022	181	VI	Microwave Devices and Circuits (70771201)
Thursday 28/07/2022	182	VII	High Speed Digital Design (70771202)
Friday 29/07/2022	183	VIII	Advanced Embedded Systems (70771203)
Saturday 30/07/2022	184	IX	Cryptography & Network Security (70771204)
Sunday 31/07/2022	185 186 187	X	Elective-II 1. Artificial Neural Network (70771205) 2. Wavelet Transform & Applications (70771206) 3. Wireless Sensor Network & Optimization (70771207)

[10] Electronics & Telecommunication Engineering - (Digital Elect. & Comm. System)

ME - Electronics & Telecom Engg – (Digital Electronics & Communication System Sem-II) (CGPA Pattern w.e.f. Nov 2013) (Old)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 01:00 p.m. to 03: 15 p.m
Wednesday 27/07/2022	188	X	Elective-II
	189		1. Image & Video Processing & broadcasting (92355)
	190		2. Cryptography & Network Security (92356) 3. Antenna Theory & Design (92357)
Thursday 28/07/2022	191	IX	Wireless & Mobile Networks (92354)

ME - Electronics & Telecom Engg – (Digital Electronics & Communication System Sem-III) (w.e.f. June 2016)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 01:00 p.m. to 03: 15 p.m.
Wednesday 27/07/2022	192	I	Self Learning Subject
	193		1] Internet of Things (70772101)
	194		2] Intellectual Property (70772102) 3] Modeling & Simulation of Communication System (70772103)

[11] Electrical Engineering

ME (Electrical Engineering Sem-I) (w.e.f. June 2015) (CBCS Pattern-2015)/(CGPA Pattern-2013)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 09:00 a.m. to 10: 15 a.m
Wednesday 27/07/2022	195	I	Power Electronics (707131101)
Thursday 28/07/2022	196	II	Power System Dynamics & Control (707131102)
Friday 29/07/2022	197	III	D.C. Drives (707131103)
Saturday 30/07/2022	198	IV	Control Engineering (707131104)
Sunday 31/07/2022	199 200 201	V	Elective –I 1. Extra High Voltage Transmission Systems (707131105) 2. Renewable Energy Sources (707131106) 3. Electric Traction (707131107)

ME (Electrical Engineering Sem-II) (w.e.f. Nov 2015) (CBCS Pattern-2015)/(CGPA Pattern-2013)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 11:00 a.m. to 12: 15 p.m
Wednesday 27/07/2022	202	VI	Power Electronics Applications to Power System (707131201)
Thursday 28/07/2022	203	VII	Power Quality (707131202)
Friday 29/07/2022	204	VIII	A.C. Drives (707131203)
Saturday 30/07/2022	205	IX	Advanced Control Engineering (707131204)
Sunday 31/07/2022	206 207 208	X	Elective –II 1. Advanced Power System Protection (707131205) 2. Analysis & Design of Switched Mode Converters (707131206) 3. High Voltage DC Transmission (707131207)

[12] Mechanical - Manufacturing Engineering

ME (Mechanical - Manufacturing Engineering Sem - I) (w.e.f. June 2015) (CBCS Pattern-2015)/(CGPA Pattern-2013)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 09:00 a.m. to 10: 15 a.m
Wednesday 27/07/2022	210	I	Material Removal Processes (70751101)
Thursday 28/07/2022	211	II	CNC and Adaptive Control (70751102)
Friday 29/07/2022	212	III	Advanced Joining Technology (70751103)
Saturday 30/07/2022	213 214 215 216 217 218 219	IV	Elective - I 1. Casting and Molding Technology (70751104) 2. Machine Tool Design (70751105) 3. Sheet Metal Engineering (70751106) 4. Plastic Processing Technology (70751107) 5. Advanced Tool Design (70751108) 6. Treatment of Material (70751109) 7. Processing of Advanced Materials (70751110)
Sunday 31/07/2022	220 221 222 223 224 225	V	Elective - II 1. Management Information Systems (70751112) 2. Technology and Knowledge Management (70751113) 3. Manufacturing Planning and Control (70751114) 4. Concurrent Engineering (70751115) 5. Numerical Methods and Computational Techniques (70751116) 6. Hydraulic, Pneumatic and Fluidic Control (70751117)

ME (Mechanical - Manufacturing Engineering Sem – II) (CBCS Pattern-2015)/(CGPA Pattern-2013)			
Day & Date	Sr. No.	Paper No.	Time & Subject
			Time: 11:00 a.m. to 12: 15 p.m
Wednesday 27/07/2022	226	VI	Metal Forming Processes (70751201)
Thursday 28/07/2022	227	VII	Finite Element Method (70751202)
Friday 29/07/2022	228	VIII	Elective– III
	229		1. Manufacturing Automation (70751204)
	230		2. Agile Manufacturing (70751205)
	231		3. Sensors for Intelligent Manufacturing and Condition Monitoring (70751206)
	232		4. Knowledge Based Systems in Manufacturing (70751207)
	233		5. World Class Manufacturing (70751208)
	234		6. Robotics (70751209)
Saturday 30/07/2022	235	IX	Elective– IV
	236		1. Design of Experiments (70751211)
	237		2. Quality Control and Reliability (70751212)
	238		3. Total Productive Maintenance (70751213)
	239		4. Metrology and Computer Aided Inspection (70751214)
	240		5. Maintenance Management (70751215)
			6. Mechatronics (70751216)

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Ref No.: PAHSUS/EXAM/TIME-TABLE/2022/1039

Date : 16/07/2022

Sd/-
Director
Board of Examinations and Evaluation