

SAVITRIBAI PHULE PUNE UNIVERSITY
(Formerly University of Pune)



EXAMINATION CIRCULAR NO.1 OF. 2020

M.E.ENGINEERING (2017 Pattern)

Examination of APR/MAY 2020

(Under Faculty of SCIENCE AND TECHNOLOGY : B)ENGINEERING)

1. Common Instructions:

- The examination will be conducted in on-line as well as in off-line mode based on the option given by students. Time slot for both examinations i.e. (on-line and off-line examination) is same.
- All relevant communication related to on-line as well as off-line examinations will be done through the email on registered email address and through sms on registered mobile number. Both these communications details are collected by the examination section through the students' profile filled by these students at the time of filling the examination form. It is suggested not to change email address and mobile number till completion of October, 2020 examination.
- Hall tickets are sent to the concerned affiliated colleges. Students can collect hall tickets from their respective colleges. To avoid inconvenience to students, examination section has provided a special facility to download hall tickets directly from student's login. Those students, who had opted for the off-line OMR based examination, shall carry hall tickets at the examination centre.
- For physically challenged students, for the on-line examination, time will automatically get set to 80 minutes. For the off-line examination, the examination centres are instructed to allot 20 minutes extra to these students. For both on-line and off-line examination permission is granted to take help of writer/assistant during the examination.

2. Instructions to candidates appearing for the on-line examinations:

- Candidates shall appear for the on-line examination from the place of their convenience.
- Candidate can login using their mobile, laptop, PC or I-Pad. Please take care that batteries of these units are properly charged prior to examination and also connected through internet facility.
- In case of any technical difficulty during the examination, software support is provided by the University. On-line examination will get resumed for the remaining duration in case of technical interruptions during the examinations. Answers of the questions attempted by student before the occurrence of the interruption will get saved automatically on University server. A mock test will be provided to all students. Time table of mock test/s will get communicated to students through Student's login.

(CIVIL) (CONSTRUCTION MANAGEMENT)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	Applications of Statistical Methods in Construction (501021)
Wednesday 14/10/2020	Management and Project Planning in Construction (501022)
Friday 16/10/2020	Construction Technology (501023)
Monday 19/10/2020	TQM in Construction (501024)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Construction Contracts Administration and Management (501027)
Wednesday 14/10/2020	Project Economics and Financial Management (501028)
Friday 16/10/2020	Operations Research (501029)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Environment & Energy for Sustainable Construction (601033)
Thursday 15/10/2020	Research Methodology (601034)

(CIVIL) (ENVIRONMENTAL ENGINEERING)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	Environmental Legislation and Management Systems (501061)
Wednesday 14/10/2020	Environmental Chemistry & Microbiology (501062)
Friday 16/10/2020	Physico-Chemical Process For Water and Waste Water Treatment (501063)
Monday 19/10/2020	Environmental Sanitation (501064)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Industrial Waste Water Management (501067)
Wednesday 14/10/2020	Air Pollution and Control (501068)
Friday 16/10/2020	Solid Waste and Hazardous Waste Management (501069)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Environmental Impact Assessment (601073)
Thursday 15/10/2020	Research Methodology (601074)

(CIVIL) (GEOTECHNICAL ENGINEERING)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	Advance Soil Mechanics (501121)
Wednesday 14/10/2020	Ground Improvement Techniques (501122)
Friday 16/10/2020	Rock Mechanics (501123)
Monday 19/10/2020	Geo-environmental Engineering (501125)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Advance Foundation Engineering (501127)
Wednesday 14/10/2020	Construction Methods in Geotechnical (501128)
Friday 16/10/2020	Stability of Slopes & Earth Dam (501129)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Geotechnical Earthquake Engineering (601133)
Thursday 15/10/2020	Research Methodology (601134)

(CIVIL) (HYDRAULICS ENGINEERING)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	Fluid Mechanics (501041)
Wednesday 14/10/2020	Irrigation and Drainage (501042)
Friday 16/10/2020	Planning and Management of Water Resources (501043)
Monday 19/10/2020	Dam Engineering (501044)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Open Channel Hydraulics (501047)
Wednesday 14/10/2020	Sediment Transport and River Mechanics (501048)
Friday 16/10/2020	Hydrology (501049)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Optimization Techniques (601051)
Thursday 15/10/2020	Research Methodology (601052)

(CIVIL) (STRUCTURE ENGINEERING)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	Theory of Elasticity & Plasticity (501001)
Wednesday 14/10/2020	Structural Dynamics (501002)
Friday 16/10/2020	Advanced Design of Steel Structures (501003)
Monday 19/10/2020	Numerical Methods in Structural Engineering (501004)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Finite Element Method (501007)
Wednesday 14/10/2020	Theory of Plates and Shells (501008)
Friday 16/10/2020	Advanced Design of Concrete Structures (501009)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Research Methodology (601013)
Thursday 15/10/2020	Analysis & Design of Earthquake Resistant Structures (601014)

(CIVIL) (WATER RESOURCES & ENVIRONMENTAL ENGINEERING)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	Planning and Management of water Resources (501081)
Wednesday 14/10/2020	Environmental Chemistry and Microbiology (501082)
Friday 16/10/2020	Fluid Mechanics (501083)
Monday 19/10/2020	Advanced Water Treatment (501084)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Hydrology (501087)
Wednesday 14/10/2020	Open Channel Hydraulics (501088)
Friday 16/10/2020	Advanced Wastewater Treatment (501089)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Optimization Techniques (601093)
Thursday 15/10/2020	Research Methodology (601094)

(MECHANICAL) (DESIGN ENGINEERING)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	* Advanced Mathematics (507201)
Wednesday 14/10/2020	Material Science and Mechanical Behavior of Materials (502202)
Friday 16/10/2020	Advanced Stress Analysis (502203)
Monday 19/10/2020	** Research Methodology (502104)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Analysis and Synthesis of Mechanisms (502207)
Wednesday 14/10/2020	Advanced Mechanical Vibrations (502208)
Friday 16/10/2020	Finite Element Method (502209)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Optimization Techniques (602213)
Thursday 15/10/2020	Mechanical Measurements and Controls (602214)

NOTE :-

* Common to Mechanical (Automotive Engg & CADM & E) - 2017 Credit Pattern

** Common to All Mechanical Branches - 2017 Credit Pattern

(MECHANICAL) (HEAT POWER ENGINEERING)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	* Advanced Mathematics and Numerical Methods (507101)
Wednesday 14/10/2020	Advanced Thermodynamics and Combustion Technology (502102)
Friday 16/10/2020	Advanced Fluid Mechanics (502103)
Monday 19/10/2020	** Research Methodology (502104)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Advanced Heat Transfer (502107)
Wednesday 14/10/2020	Air Conditioning Technology (502108)
Friday 16/10/2020	Measurements and Controls (502109)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Computational Fluid Dynamics (602113)
Thursday 15/10/2020	Design of Heat Transfer Equipment's (602114)

NOTE :-

* Common to Mechanical Energy Engineering - 2017 Credit Pattern

** Common to All Mechanical Branches - 2017 Credit Pattern

CHEMICAL ENGINEERING**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	Mathematical and Statistical Methods (509101)
Wednesday 14/10/2020	Process Optimization (509102)
Friday 16/10/2020	Advanced Separation Processes (509103)
Monday 19/10/2020	Research Methodology (509104)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Advanced Transport Phenomena (509107)
Wednesday 14/10/2020	Advanced Process Control (509108)
Friday 16/10/2020	Advanced Reaction Engineering (509109)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Process Modeling and Simulation (509113)
Thursday 15/10/2020	Advanced Thermodynamics (509114)

CHEMICAL ENGINEERING (ENVIRONMENTAL)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	Applied Statistics for Environmental Engineers (509131)
Wednesday 14/10/2020	Environmental Management (509132)
Friday 16/10/2020	Environmental Chemistry (509133)
Monday 19/10/2020	Research Methodology (509134)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Wastewater Treatment & Design (509137)
Wednesday 14/10/2020	Solid Waste Management (509138)
Friday 16/10/2020	Industrial Waste Treatment (509139)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Remote Sensing & GIS Applications in Environmental Engineering (509143)
Thursday 15/10/2020	Industrial Pollution Prevention & Cleaner Production (509144)

COMPUTER (COMPUTER ENGINEERING)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	Research Methodology (510101)
Wednesday 14/10/2020	Bio-Inspired Optimization Algorithms (510102)
Friday 16/10/2020	Software Development and Version Control (510103)
Monday 19/10/2020	Embedded and Real Time Operating Systems (510104)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Operation Research (510108)
Wednesday 14/10/2020	System Simulation and Modeling (510109)
Friday 16/10/2020	Machine Learning (510110)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Fault Tolerant Systems (610101)
Thursday 15/10/2020	Information Retrieval (610102)

COMPUTER (COMPUTER NETWORKS)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	Research Methodology (510201)
Wednesday 14/10/2020	Network Security (510202)
Friday 16/10/2020	Wireless Sensor Networks (510203)
Monday 19/10/2020	High Performance Networks (510204)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Operation Research (510208)
Wednesday 14/10/2020	Network Design and Analysis (510209)
Friday 16/10/2020	Data Algorithms (510210)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Fault Tolerant Systems (610201)
Thursday 15/10/2020	Mobile Ad hoc Networks (610202)

ELECTRICAL (CONTROL SYSTEMS)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	Optimization Techniques in Control System (503101)
Wednesday 14/10/2020	Automation in Manufacturing (503102)
Friday 16/10/2020	Non Linear Control System (503103)
Monday 19/10/2020	Research Methodology (503104)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Multivariable and Optimal Control System (503107)
Wednesday 14/10/2020	Control of Power Electronics Circuits (503108)
Friday 16/10/2020	Digital Signal Processing and its Applications (503109)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Advanced Drives and Control (603101)
Thursday 15/10/2020	System Identification & Adaptive Control (603102)

ELECTRICAL (POWER ELECTRONICS & DRIVES)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	Linear Systems Theory and Design (503301)
Wednesday 14/10/2020	Modelling and Analysis of Electrical Machines (503302)
Friday 16/10/2020	Power Converters I (503303)
Monday 19/10/2020	Research Methodology (503304)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	AC and DC Drives (503307)
Wednesday 14/10/2020	Power Converters II (503308)
Friday 16/10/2020	Advanced Control Systems (503309)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Special Applications of Power Electronics (603301)
Thursday 15/10/2020	Energy Management and Power Quality (603302)

ELECTRICAL (POWER SYSTEMS)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	Computer Applications in Power Systems (503201)
Wednesday 14/10/2020	Power Sector Economics and Management (503202)
Friday 16/10/2020	Power System Modeling (503203)
Monday 19/10/2020	Research Methodology (503204)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Power System Dynamics (503207)
Wednesday 14/10/2020	Power System Planning & Reliability (503208)
Friday 16/10/2020	HVDC and Flexible AC Transmission (503209)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Advanced Power System Protection (603201)
Thursday 15/10/2020	Power Quality Assessment & Mitigation (603202)

ELECTRONICS (DIGITAL SYSTEM)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	Analog & Digital CMOS Design (504101)
Wednesday 14/10/2020	Multirate Signal Processing (504102)
Friday 16/10/2020	Embedded System Design (504103)
Monday 19/10/2020	* Research Methodology (504104)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Advanced DSP Processors (504107)
Wednesday 14/10/2020	PLD's and ASIC Design (504108)
Friday 16/10/2020	Image Processing and Computer Vision (504109)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	System on Chip Design (604101)
Thursday 15/10/2020	Wireless Sensosr Network for IOT (604102)

NOTE :-

* Common to Electronics Branch and E & TC All Branches - 2017 Credit Pattern

ELECTRONICS & TELECOMMUNICATION (COMMUNICATION NETWORK)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	Modelling and Simulation of Communication Networks (504501)
Wednesday 14/10/2020	High Speed Communication Networks (504502)
Friday 16/10/2020	Network Security (504503)
Monday 19/10/2020	* Research Methodology (504504)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Traffic Analysis and QoS (504507)
Wednesday 14/10/2020	Broadband Wireless Technologies (504508)
Friday 16/10/2020	SDR and Cognitive Radio (504509)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	4G LTE Cellular Systems (604501)
Thursday 15/10/2020	Modern Communication Receiver Design & Technology (604502)

NOTE :-

* Common to E & TC All Branches and Electronics Branch -2017 Credit Pattern

ELECTRONICS & TELECOMMUNICATION (MICROWAVE)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	Electromagnetics and Antenna Theory (504301)
Wednesday 14/10/2020	RF and Microwave Circuits (504302)
Friday 16/10/2020	Microwave Measurements (504303)
Monday 19/10/2020	* Research Methodology (504104)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Computational Electromagnetics (504307)
Wednesday 14/10/2020	RF and MMIC Technology (504308)
Friday 16/10/2020	Wireless Communication System (504309)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	EMI and EMC Techniques (604301)
Thursday 15/10/2020	Radar and Satellite Communication (604302)

NOTE :-

* Common to E & TC All Branches and Electronics Branch - 2017 Credit Pattern

ELECTRONICS & TELECOMMUNICATION (SIGNAL PROCESSING)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	Mathematics for Signal Processing (504401)
Wednesday 14/10/2020	Digital Image and Video Processing (504402)
Friday 16/10/2020	Advanced Digital Signal Processing (504403)
Monday 19/10/2020	* Research Methodology (504404)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Biomedical Signal Processing (504407)
Wednesday 14/10/2020	Speech Processing (504408)
Friday 16/10/2020	Computer Vision (504409)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Statistical Signal Processing (604401)
Thursday 15/10/2020	Still Image and Video Compression (604402)

NOTE :-***Common to E & TC All Branches and Electronics Branch - 2017 Credit Pattern**

ELECTRONICS & TELECOMMUNICATION (VLSI & EMBEDDED SYSTEM)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	Digital CMOS Design (504201)
Wednesday 14/10/2020	Reconfigurable Computing (504202)
Friday 16/10/2020	Embedded System Design (504203)
Monday 19/10/2020	* Research Methodology (504204)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Analog CMOS Design (504207)
Wednesday 14/10/2020	System on Chip (504208)
Friday 16/10/2020	Embedded Automotive Systems (504209)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Testing and Verification of VLSI Circuits (604201)
Thursday 15/10/2020	ASIC Design (604202)

NOTE :-

* Common to E & TC All Branches and Electronics Branch - 2017 Credit Pattern

INFORMATION TECHNOLOGY**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	Mathematical Foundation of Information Technology (514401)
Wednesday 14/10/2020	Advance Software Engineering & Project Management (514402)
Friday 16/10/2020	Applied Algorithms (514403)
Monday 19/10/2020	Research Methodology (514404)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Cyber Security and Forensics (514407)
Wednesday 14/10/2020	Cloud and Data Technologies (514408)
Friday 16/10/2020	Information Technology Oriented Operations Research (514409)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Mobile Ad-hoc Networks (5144013)
Thursday 15/10/2020	Advance Operating System (5144014)

INSTRUMENTATION & CONTROL (PROCESS INSTRUMENTATION)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	Mathematical Methods In Instrumentation (506101)
Wednesday 14/10/2020	Transducer Design (506102)
Friday 16/10/2020	Industrial Automation (506103)
Monday 19/10/2020	Research Methodology (506104)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Process Dynamics and Control (506107)
Wednesday 14/10/2020	Embedded System Design (506108)
Friday 16/10/2020	Control System (506109)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Advanced Signal Processing (606101)
Thursday 15/10/2020	Building Automation (606102)

MECHANICAL (AUTOMOTIVE ENGINEERING)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	* Advanced Mathematics (507201)
Wednesday 14/10/2020	Automotive Engine Design (502302)
Friday 16/10/2020	Automotive Safety and Regulations (502303)
Monday 19/10/2020	** Research Methodology (502104)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Engine Combustion Technology (502307)
Wednesday 14/10/2020	Noise Vibration and Harshness (502308)
Friday 16/10/2020	Automotive Chassis Design (502309)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Vehicle Dynamics (602313)
Thursday 15/10/2020	Autotronics (602314)

NOTE :-

* Common to Mechanical (Design & CADM & E) - 2017 Credit Pattern

** Common to All Mechanical Branches - 2017 Credit Pattern

MECHANICAL (COMPUTER AIDED DESIGN,MANUFACTURE & ENGINEERING)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	* Advance Mathematics (507201)
Wednesday 14/10/2020	Advanced Machine Design (502402)
Friday 16/10/2020	Computer Aided Design (502403)
Monday 19/10/2020	** Research Methodology (502104)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Computer Integrated Manufacturing (502407)
Wednesday 14/10/2020	Industrial Product Design & Product Life Cycle Management (502408)
Friday 16/10/2020	Automated Manufacturing System Modelling (502409)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Simulation Modeling (602413)
Thursday 15/10/2020	Optimization Techniques (602414)

NOTE :-

* Common to Mechanical (Design and Automotive) - 2017 Credit Pattern

** Common to All Mechanical Branches - 2017 Credit Pattern

MECHANICAL (ENERGY ENGINEERING)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	* Advanced Mathematics and Numerical Methods (502501)
Wednesday 14/10/2020	Advanced Thermodynamics (502502)
Friday 16/10/2020	Non-Conventional Energy Sources (502503)
Monday 19/10/2020	** Research Methodology (502104)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Advanced Heat Transfer (502507)
Wednesday 14/10/2020	Energy Conversion and Environment (502508)
Friday 16/10/2020	Advanced Fluid Mechanics (502509)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Energy Management (602513)
Thursday 15/10/2020	Energy Systems Modeling and Optimization (602514)

NOTE :-

* Common to Mechanical (Heat Power) - 2017 Credit Pattern

** Common to All Mechanical Branches - 2017 Credit Pattern

MECHANICAL (MECHATRONICS)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	System Modelling, Identification and Simulation (502801)
Wednesday 14/10/2020	Control Systems - I (502802)
Friday 16/10/2020	Sensors, Transducers and Interfacing Techniques (502803)
Monday 19/10/2020	** Research Methodology (502104)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	PLC Programming (502807)
Wednesday 14/10/2020	Control Systems - II (502808)
Friday 16/10/2020	Industrial Drives & Actuators (502809)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Microcontroller Applications in Embedded Systems (602813)
Thursday 15/10/2020	Flexible Manufacturing Systems (602814)

NOTE :-**** Common to All Mechanical Branches - 2017 Credit Pattern**

PRINTING ENGINEERING & GRAPHIC COMMUNICATION**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	Probability, Statistics and Regression Analysis (508101)
Wednesday 14/10/2020	Printing Technology Management (508102)
Friday 16/10/2020	Modern Trends in Printing (508103)
Monday 19/10/2020	Research Methodology (508104)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	Colour Science (508107)
Wednesday 14/10/2020	Web Handling on Press (508108)
Friday 16/10/2020	Substrate and Ink (508109)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	Printed Electronics and RFID (608101)
Thursday 15/10/2020	Advances in Converting and Packaging (608102)

PRODUCTION (CAD/CAM)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	* Mathematics and Statistics (511101)
Wednesday 14/10/2020	* Research Methodology (511102)
Friday 16/10/2020	Computer Aided Design (511301)
Monday 19/10/2020	Computer Aided Manufacturing (511302)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	* Computer Integrated Manufacturing (511305)
Wednesday 14/10/2020	* Artificial Intelligence & Robotics (511306)
Friday 16/10/2020	Computation Techniques in CAD/CAM (511307)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	* Computational Intelligence in Tool Design (611101)
Thursday 15/10/2020	Computer Aided Production Planning (511311)

NOTE :-

* Common to Production (Manufacturing & Automation) - 2017 Credit Pattern

PRODUCTION ENGINEERING (MANUFACTURING & AUTOMATION)**SEM-I**

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Monday 12/10/2020	* Mathematics & Statistics (511101)
Wednesday 14/10/2020	* Research Methodology (511102)
Friday 16/10/2020	Advanced Manufacturing Processes (511103)
Monday 19/10/2020	Industrial Automation (511104)

SEM-II

2017 Course TIME-01.00 PM To 2.00 PM	
Day & Date	Subject
Monday 12/10/2020	* Computer Integrated Manufacturing (511305)
Wednesday 14/10/2020	* Artificial Intelligence & Robotics (511306)
Friday 16/10/2020	Additive Manufacturing (511109)

SEM-III

2017 Course TIME-10.00 AM To 11.00 AM	
Day & Date	Subject
Tuesday 13/10/2020	* Computational Intelligence in Tool Design (611101)
Thursday 15/10/2020	Mechatronics (611102)

NOTE :-

* Common to Production (CAD/CAM) - 2017 Credit Pattern

Ganeshkhind, Pune - 411 007

Ref.No/XCT/106

Date:04/10/2020

Director

Board of Examinations and Evaluation

