

**SAVITRIBAI PHULE PUNE UNIVERSITY**  
**(Formerly University of Pune)**



**EXAMINATION CIRCULAR NO.74 OF. 2018**

**M.E.ENGINEERING (2017 Pattern)**

**Examination of APR/MAY 2018**

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

**INSTRUCTIONS FOR CANDIDATES**

1. Candidates are required to be present at the examination centre, FIFTEEN MINUTES before the time fixed for the first paper and TEN MINUTES before the time of each subsequent paper.
2. Candidates are forbidden from taking any material into the examination hall, that can be used for malpractice at the time of examination.
3. Candidates are requested to see the Notice Board at their place of examination regularly for changes if any, that may be notified later in the program.
4. No request for any special concession such as a change in time or any day fixed for the University Examination on any ground shall be granted.
5. Candidates are requested to note the Day, Date and Time of every Paper on every day.
6. Candidates are permitted to use stencils at the time of examination.
7. Candidates appearing for the examinations are expected to provide themselves with Side- rules.
8. The exchange or loan of side-rules, drawing instruments of other materials used in the examination hall is Not Permitted while the examinations are in process.
9. Candidates must bring their own instruments and will not be allowed to borrow from each other under any circumstances.
10. Use of non-programmable battery operated electronic Calculator of Pocket-size is allowed. The exchange of Calculators is not allowed.
11. The written examination will be conducted in the following order.

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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	Applications of Statistical Methods in Construction (501021)
Friday 25/05/2018	Management and Project Planning in Construction (501022)
Monday 28/05/2018	Construction Technology (501023)
Wednesday 30/05/2018	TQM in Construction (501024)
Friday 01/06/2018	Elective I (501025)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Construction Contracts Administration and Management (501027)
Saturday 26/05/2018	Project Economics and Financial Management (501028)
Tuesday 29/05/2018	Operations Research (501029)
Thursday 31/05/2018	Elective - II (501030)

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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	Environmental Legislation and Management Systems (501061)
Friday 25/05/2018	Environmental Chemistry & Microbiology (501062)
Monday 28/05/2018	Physico-Chemical Process For Water and Waste Water Treatment (501063)
Wednesday 30/05/2018	Environmental Sanitation (501064)
Friday 01/06/2018	Elective I (501065)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Industrial Waste Water Management (501067)
Saturday 26/05/2018	Air Pollution and Control (501068)
Tuesday 29/05/2018	Solid Waste and Hazardous Waste Management (501069)
Thursday 31/05/2018	Elective - II (501070)

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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	Advance Soil Mechanics (501121)
Friday 25/05/2018	Ground Improvement Techniques (501122)
Monday 28/05/2018	Rock Mechanics (501123)
Wednesday 30/05/2018	Geo-environmental Engineering (501125)
Friday 01/06/2018	Elective-I (501124)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Advance Foundation Engineering (501127)
Saturday 26/05/2018	Construction Methods in Geotechnical (501128)
Tuesday 29/05/2018	Stability of Slopes & Earth Dam (501129)
Thursday 31/05/2018	Elective - II (501130)

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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	Fluid Mechanics (501041)
Friday 25/05/2018	Irrigation and Drainage (501042)
Monday 28/05/2018	Planning and Management of Water Resources (501043)
Wednesday 30/05/2018	Dam Engineering (501044)
Friday 01/06/2018	Elective I (501045)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Open Channel Hydraulics (501047)
Saturday 26/05/2018	Sediment Transport and River Mechanics (501048)
Tuesday 29/05/2018	Hydrology (501049)
Thursday 31/05/2018	Elective - II (501050)

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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	Theory of Elasticity & Plasticity (501001)
Friday 25/05/2018	Structural Dynamics (501002)
Monday 28/05/2018	Advanced Design of Steel Structures (501003)
Wednesday 30/05/2018	Numerical Methods in Structural Engineering (501004)
Friday 01/06/2018	Elective I (501005)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Finite Element Method (501007)
Saturday 26/05/2018	Theory of Plates and Shells (501008)
Tuesday 29/05/2018	Advanced Design of Concrete Structures (501009)
Thursday 31/05/2018	Elective - II (501010)

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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	Planning and Management of water Resources (501081)
Friday 25/05/2018	Environmental Chemistry and Microbiology (501082)
Monday 28/05/2018	Fluid Mechanics (501083)
Wednesday 30/05/2018	Advanced Water Treatment (501084)
Friday 01/06/2018	Elective - I (501085)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Hydrology (501087)
Saturday 26/05/2018	Open Channel Hydraulics (501088)
Tuesday 29/05/2018	Advanced Wastewater Treatment (501089)
Thursday 31/05/2018	Elective - II (501090)

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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	* Advanced Mathematics (507201)
Friday 25/05/2018	Material Science and Mechanical Behavior of Materials (502202)
Monday 28/05/2018	Advanced Stress Analysis (502203)
Wednesday 30/05/2018	*** Research Methodology (502104)
Friday 01/06/2018	** Elective - I (502205)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Analysis and Synthesis of Mechanisms (502207)
Saturday 26/05/2018	Advanced Mechanical Vibrations (502208)
Tuesday 29/05/2018	Finite Element Method (502209)
Thursday 31/05/2018	Elective - II (502210)

**NOTE:-**

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

\*\* *Common to All Mechanical Branches - 2017 Credit Pattern*

\*\*\* *Common to All Mechanical Branches - 2017 Credit Pattern*



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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	* Advanced Mathematics and Numerical Methods (507101)
Friday 25/05/2018	Advanced Thermodynamics and Combustion Technology (502102)
Monday 28/05/2018	Advanced Fluid Mechanics (502103)
Wednesday 30/05/2018	*** Research Methodology (502104)
Friday 01/06/2018	** Elective - I (502105)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Advanced Heat Transfer (502107)
Saturday 26/05/2018	Air Conditioning Technology (502108)
Tuesday 29/05/2018	Measurements and Controls (502109)
Thursday 31/05/2018	Elective - II (502110)

**NOTE:-**

\* *Common to Mechanical Energy Engineering - 2017 Credit Pattern*

\*\* *Common to All Mechanical Branches - 2017 Credit Pattern*

\*\*\* *Common to All Mechanical Branches - 2017 Credit Pattern*

**CHEMICAL ENGINEERING****SEM-I**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	Mathematical and Statistical Methods (509101)
Friday 25/05/2018	Process Optimization (509102)
Monday 28/05/2018	Advanced Separation Processes (509103)
Wednesday 30/05/2018	Research Methodology (509104)
Friday 01/06/2018	Elective - I (509105)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Advanced Transport Phenomena (509107)
Saturday 26/05/2018	Advanced Process Control (509108)
Tuesday 29/05/2018	Advanced Reaction Engineering (509109)
Thursday 31/05/2018	Elective - II (509110)

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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	Applied Statistics for Environmental Engineers (509131)
Friday 25/05/2018	Environmental Management (509132)
Monday 28/05/2018	Environmental Chemistry (509133)
Wednesday 30/05/2018	Research Methodology (509134)
Friday 01/06/2018	Elective - I (509135)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Wastewater Treatment & Design (509137)
Saturday 26/05/2018	Solid Waste Management (509138)
Tuesday 29/05/2018	Industrial Waste Treatment (509139)
Thursday 31/05/2018	Elective - II (509140)

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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	Research Methodology (510101)
Friday 25/05/2018	Bio-Inspired Optimization Algorithms (510102)
Monday 28/05/2018	Software Development and Version Control (510103)
Wednesday 30/05/2018	Embedded and Real Time Operating Systems (510104)
Friday 01/06/2018	Elective - I (510105)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Operation Research (510108)
Saturday 26/05/2018	System Simulation and Modeling (510109)
Tuesday 29/05/2018	Machine Learning (510110)
Thursday 31/05/2018	Elective - II (510111)

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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	Research Methodology (510201)
Friday 25/05/2018	Network Security (510202)
Monday 28/05/2018	Wireless Sensor Networks (510203)
Wednesday 30/05/2018	High Performance Networks (510204)
Friday 01/06/2018	Elective - I (510205)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Operation Research (510208)
Saturday 26/05/2018	Network Design and Analysis (510209)
Tuesday 29/05/2018	Data Algorithms (510210)
Thursday 31/05/2018	Elective - II (510211)

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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	Optimization Techniques in Control System (503101)
Friday 25/05/2018	Automation in Manufacturing (503102)
Monday 28/05/2018	Non Linear Control System (503103)
Wednesday 30/05/2018	Research Methodology (503104)
Friday 01/06/2018	Elective - I (503105)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Multivariable and Optimal Control System (503107)
Saturday 26/05/2018	Control of Power Electronics Circuits (503108)
Tuesday 29/05/2018	Digital Signal Processing and its Applications (503109)
Thursday 31/05/2018	Elective - II (503110)

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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	Linear Systems Theory and Design (503301)
Friday 25/05/2018	Modelling and Analysis of Electrical Machines (503302)
Monday 28/05/2018	Power Converters I (503303)
Wednesday 30/05/2018	Research Methodology (503304)
Friday 01/06/2018	Elective - I (503305)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	AC and DC Drives (503307)
Saturday 26/05/2018	Power Converters II (503308)
Tuesday 29/05/2018	Advanced Control Systems (503309)
Thursday 31/05/2018	Elective - II (503310)

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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	Computer Applications in Power Systems (503201)
Friday 25/05/2018	Power Sector Economics and Management (503202)
Monday 28/05/2018	Power System Modeling (503203)
Wednesday 30/05/2018	Research Methodology (503204)
Friday 01/06/2018	Elective I (503205)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Power System Dynamics (503207)
Saturday 26/05/2018	Power System Planning & Reliability (503208)
Tuesday 29/05/2018	HVDC and Flexible AC Transmission (503209)
Thursday 31/05/2018	Elective - II (503210)



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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	Analog & Digital CMOS Design (504101)
Friday 25/05/2018	Multirate Signal Processing (504102)
Monday 28/05/2018	Embedded System Design (504103)
Wednesday 30/05/2018	* Research Methodology (504104)
Friday 01/06/2018	Elective I (504105)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Advanced DSP Processors (504107)
Saturday 26/05/2018	PLD's and ASIC Design (504108)
Tuesday 29/05/2018	Image Processing and Computer Vision (504109)
Thursday 31/05/2018	Elective - II (504110)

**NOTE:-**

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

**ELECTRONICS & TELECOMMUNICATION (Communication Network)****SEM-I**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	Modelling and Simulation of Communication Networks (504501)
Friday 25/05/2018	High Speed Communication Networks (504502)
Monday 28/05/2018	Network Security (504503)
Wednesday 30/05/2018	* Research Methodology (504504)
Friday 01/06/2018	Elective I (504505)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Traffic Analysis and QoS (504507)
Saturday 26/05/2018	Broadband Wireless Technologies (504508)
Tuesday 29/05/2018	SDR and Cognitive Radio (504509)
Thursday 31/05/2018	Elective - II (504510)

**NOTE:-**

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

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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	Electromagnetics and Antenna Theory (504301)
Friday 25/05/2018	RF and Microwave Circuits (504302)
Monday 28/05/2018	Microwave Measurements (504303)
Wednesday 30/05/2018	* Research Methodology (504104)
Friday 01/06/2018	Elective I (504305)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Computational Electromagnetics (504307)
Saturday 26/05/2018	RF and MMIC Technology (504308)
Tuesday 29/05/2018	Wireless Communication System (504309)
Thursday 31/05/2018	Elective - II (504310)

**NOTE:-**

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

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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	Mathematics for Signal Processing (504401)
Friday 25/05/2018	Digital Image and Video Processing (504402)
Monday 28/05/2018	Advanced Digital Signal Processing (504403)
Wednesday 30/05/2018	* Research Methodology (504404)
Friday 01/06/2018	Elective - I (504405)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Biomedical Signal Processing (504407)
Saturday 26/05/2018	Speech Processing (504408)
Tuesday 29/05/2018	Computer Vision (504409)
Thursday 31/05/2018	Elective - II (504410)

**NOTE:-**

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

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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	Digital CMOS Design (504201)
Friday 25/05/2018	Reconfigurable Computing (504202)
Monday 28/05/2018	Embedded System Design (504203)
Wednesday 30/05/2018	* Research Methodology (504204)
Friday 01/06/2018	Elective I (504205)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Analog CMOS Design (504207)
Saturday 26/05/2018	System on Chip (504208)
Tuesday 29/05/2018	Embedded Automotive Systems (504209)
Thursday 31/05/2018	Elective - II (504210)

**NOTE:-**

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

**INFORMATION TECHNOLOGY****SEM-I**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	Mathematical Foundation of Information Technology (514401)
Friday 25/05/2018	Advance Software Engineering & Project Management (514402)
Monday 28/05/2018	Applied Algorithms (514403)
Wednesday 30/05/2018	Research Methodology (514404)
Friday 01/06/2018	Elective I (514405)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Cyber Security and Forensics (514407)
Saturday 26/05/2018	Cloud and Data Technologies (514408)
Tuesday 29/05/2018	Information Technology Oriented Operations Research (514409)
Thursday 31/05/2018	Elective - II (514410)

**Instrumentation & Control (Process Instrumentation)****SEM-I**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	Mathematical Methods In Instrumentation (506101)
Friday 25/05/2018	Transducer Design (506102)
Monday 28/05/2018	Industrial Automation (506103)
Wednesday 30/05/2018	Research Methodology (506104)
Friday 01/06/2018	Elective I (506105)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Process Dynamics and Control (506107)
Saturday 26/05/2018	Embedded System Design (506108)
Tuesday 29/05/2018	Control System (506109)
Thursday 31/05/2018	Elective - II (506110)

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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	* ADVANCED MATHEMATICS (507201)
Friday 25/05/2018	Automotive Engine Design (502302)
Monday 28/05/2018	Automotive Safety and Regulations (502303)
Wednesday 30/05/2018	*** Research Methodology (502104)
Friday 01/06/2018	** Elective I (502305)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Engine Combustion Technology (502307)
Saturday 26/05/2018	Noise Vibration and Harshness (502308)
Tuesday 29/05/2018	Automotive Chassis Design (502309)
Thursday 31/05/2018	Elective - II (502310)

**NOTE:-**

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

\*\* *Common to All Mechanical Branches - 2017 Credit Pattern*

\*\*\* *Common to All Mechanical Branches - 2017 Credit Pattern*



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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	* Advance Mathematics (507201)
Friday 25/05/2018	Advanced Machine Design (502402)
Monday 28/05/2018	Computer Aided Design (502403)
Wednesday 30/05/2018	*** Research Methodology (502104)
Friday 01/06/2018	** Elective - I (502405)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Computer Integrated Manufacturing (502407)
Saturday 26/05/2018	Industrial Product Design & Product Life Cycle Management (502408)
Tuesday 29/05/2018	Automated Manufacturing System Modelling (502409)
Thursday 31/05/2018	Elective - II (502410)

**NOTE:-**

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

\*\* *Common to All Mechanical Branches - 2017 Credit Pattern*

\*\*\* *Common to All Mechanical Branches - 201 Credit Pattern*

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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	* Advanced Mathematics and Numerical Methods (502501)
Friday 25/05/2018	Advanced Thermodynamics (502502)
Monday 28/05/2018	Non-Conventional Energy Sources (502503)
Wednesday 30/05/2018	*** Research Methodology (502104)
Friday 01/06/2018	** Elective - I (502505)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Advanced Heat Transfer (502507)
Saturday 26/05/2018	Energy Conversion and Environment (502508)
Tuesday 29/05/2018	Advanced Fluid Mechanics (502509)
Thursday 31/05/2018	Elective - II (502510)

**NOTE:-**

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

\*\* *Common to All Mechanical Branches - 2017 Credit Pattern*

\*\*\* *Common to All Mechanical Branches - 2017 Credit Pattern*

**MECHANICAL (MECHATRONICS)****SEM-I**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	System Modelling, Identification and Simulation (502801)
Friday 25/05/2018	Control Systems - I (502802)
Monday 28/05/2018	Sensors, Transducers and Interfacing Techniques (502803)
Wednesday 30/05/2018	*** Research Methodology (502104)
Friday 01/06/2018	** Elective I (502805)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	PLC Programming (502807)
Saturday 26/05/2018	Control Systems - II (502808)
Tuesday 29/05/2018	Industrial Drives & Actuators (502809)
Thursday 31/05/2018	Elective - II (502810)

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

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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	Probability, Statistics and Regression Analysis (508101)
Friday 25/05/2018	Printing Technology Management (508102)
Monday 28/05/2018	Modern Trends in Printing (508103)
Wednesday 30/05/2018	Research Methodology (508104)
Friday 01/06/2018	Elective - I (508105)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	Colour Science (508107)
Saturday 26/05/2018	Web Handling on Press (508108)
Tuesday 29/05/2018	Substrate and Ink (508109)
Thursday 31/05/2018	Elective - II (508110)

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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	* Mathematics and Statistics (511101)
Friday 25/05/2018	** Research Methodology (511102)
Monday 28/05/2018	Computer Aided Design (511301)
Wednesday 30/05/2018	Computer Aided Manufacturing (511302)
Friday 01/06/2018	Elective I (511303)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	@ Computer Integrated Manufacturing (511305)
Saturday 26/05/2018	@@ Artificial Intelligence & Robotics (511306)
Tuesday 29/05/2018	Computation Techniques in CAD/CAM (511307)
Thursday 31/05/2018	Elective - II (511308)

**NOTE:-**

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

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

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

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

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

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 23/05/2018	* Mathematics & Statistics (511101)
Friday 25/05/2018	** Research Methodology (511102)
Monday 28/05/2018	Advanced Manufacturing Processes (511103)
Wednesday 30/05/2018	Industrial Automation (511104)
Friday 01/06/2018	Elective I (511105)

**SEM-II**

	<b>2017 Course TIME-02.30 PM To 05.30 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 24/05/2018	@ Computer Integrated Manufacturing (511305)
Saturday 26/05/2018	@@ Artificial Intelligence & Robotics (511306)
Tuesday 29/05/2018	Additive Manufacturing (511109)
Thursday 31/05/2018	Elective - II (511110)

**NOTE:-**

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

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

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

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

Ganeshkhind, Pune - 411 007

Ref.No/XCT/0356

Date:15/02/2018

I/C Director

Board of Examinations and Evaluation