

SAVITRIBAI PHULE PUNE UNIVERSITY

(Formerly University of Pune)



EXAMINATION CIRCULAR NO.117 OF. 2024

BACHELOR OF ENGINEERING(2019 COURSE)

Examination of APR./MAY.-2024

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

INSTRUCTIONS FOR CANDIDATES

- Candidates are required to be present at the examination centre, THIRTY MINUTES before the stipulated time.
- Candidates are forbidden from taking any material into the examination hall that can be treated as a malpractice.
- Candidates are requested to see the Notice Board at their center of examination regularly for changes if any that may be notified later in the program.
- No request shall be granted for change in time or date for the University Examination on any ground.
- Candidates are requested to note the Day, Date and Time of Paper.
- Candidates are permitted to use stencils at the time of examination.
- The exchanges of side-rules, drawing instruments of other materials used in the examination hall is not permitted at the time of examination. Candidates must bring their own instruments and will not be allowed to borrow from each other under any circumstances.
- Use of non-programmable battery operated electronic pocket size Calculator is allowed. The exchange of Calculators is not allowed. Electronics Devices including mobile are not allowed at the time of examination.
- The written examination will be conducted in the following order.

B.E. CIVIL

SEMESTER - VII

Time:- **2.00 PM. TO 4.30 PM.**

Day & Date	Paper Code	Subject
Thursday 09/05/2024	401001	Foundation Engineering
Tuesday 14/05/2024	401002	Transportation Engineering
Saturday 18/05/2024	401003 A	(ELECTIVE - III) Coastal Engineering
	401003 B	(ELECTIVE - III) Advanced Design of Concrete Structures Time:- 2.00 PM. TO 5.00 PM.
	401003 C	(ELECTIVE - III) Integrated Water Resources Planning & Management
	401003 D	(ELECTIVE - III) Finite Element Method
	401003 E	(ELECTIVE - III) Data Analytics
	401003 F	(ELECTIVE - III) Operation Research
Wednesday 22/05/2024	401004 A	(ELECTIVE - IV) Air Pollution and Control
	401004 B	(ELECTIVE - IV) Advanced Design of Steel Structures Time:- 2.00 PM. TO 5.00 PM.
	401004 C	(ELECTIVE - IV) Statistical Analysis and Computational Method
	401004 D	(ELECTIVE - IV) Airport and Bridge Engineering
	401004 E	(ELECTIVE - IV) Design of Prestressed Concrete Structures Time:- 2.00 PM. TO 5.00 PM.
	401004 F	(ELECTIVE - IV) Formwork and Plumbing Engineering

NOTE: -

* PLEASE NOTE THE TIME

B.E. CIVIL

SEMESTER - VIII

Time:- **2.00 PM. TO 4.30 PM.**

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	401011	Dams and Hydraulics Structures
Saturday 11/05/2024	401012	Quantity Surveying, Contracts and Tenders Time:- 2.00 PM. TO 5.00 PM.
Friday 17/05/2024	401013 A	(ELECTIVE - V) Earthquake Engineering
	401013 B	(ELECTIVE - V) Structural Design of Bridges
	401013 C	(ELECTIVE - V) Irrigation and Drainage
	401013 D	(ELECTIVE - V) Design of Precast and Composite Structures
	401013 E	(ELECTIVE - V) Hydropower Engineering
	401013 F	(ELECTIVE - V) Structural Audit and Retrofitting of Structures
Tuesday 21/05/2024	401014 A	(ELECTIVE - VI) TQM and MIS
	401014 B	(ELECTIVE - VI) Advanced Transportation Engineering
	401014 C	(ELECTIVE - VI) Geo Synthetic Engineering
	401014 D	(ELECTIVE - VI) Structural Design of Foundations
	401014 E	(ELECTIVE - VI) Green Structures and Smart Cities
	401014 F	(ELECTIVE - VI) Rural Water Supply and Sanitation

NOTE: -

* PLEASE NOTE THE TIME

B.E. COMPUTER

SEMESTER - VII

Time:- **2.00 PM. TO 4.30 PM.**

Day & Date	Paper Code	Subject
Thursday 09/05/2024	410241	Design and Analysis of Algorithms
Tuesday 14/05/2024	410242	Machine Learning
Thursday 16/05/2024	410243	Blockchain Technology
Saturday 18/05/2024	410244 A	(ELECTIVE - III) Pervasive Computing
	410244 B	(ELECTIVE - III) Multimedia Techniques
	410244 C	(ELECTIVE - III) Cyber Security and Digital Forensics
	410244 D	(ELECTIVE - III) Object Oriented Modeling and Design
	410244 E	(ELECTIVE - III) Digital Signal Processing
Wednesday 22/05/2024	410245 A	(ELECTIVE - IV) Information Retrieval
	410245 B	(ELECTIVE - IV) GPU Programming and Architecture
	410245 C	(ELECTIVE - IV) Mobile Computing
	410245 D	(ELECTIVE - IV) Software Testing and Quality Assurance
	410245 E	(ELECTIVE - IV) Compilers

SEMESTER - VIII

Time:- **2.00 PM. TO 4.30 PM.**

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	410250	High Performance Computing
Saturday 11/05/2024	410251	Deep Learning
Friday 17/05/2024	410252 A	(ELECTIVE - V) Natural Language Processing
	410252 B	(ELECTIVE - V) Image Processing
	410252 C	(ELECTIVE - V) Software Defined Networks
	410252 D	(ELECTIVE - V) Advanced Digital Signal Processing
Tuesday 21/05/2024	410253 A	(ELECTIVE - VI) Pattern Recognition
	410253 B	(ELECTIVE - VI) Soft Computing
	410253 C	(ELECTIVE - VI) Business Intelligence
	410253 D	(ELECTIVE - VI) Quantum Computing

B.E. MECHANICAL

SEMESTER - VII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Thursday 09/05/2024	402041	Heating Ventilation Air-Conditioning and Refrigeration
Tuesday 14/05/2024	402042	Dynamics of Machinery
Thursday 16/05/2024	402043	Turbomachinery * Time:- 2.00 PM. TO 4.00 PM
Saturday 18/05/2024	402044 A	(ELECTIVE - III) Automobile Design
	402044 B	(ELECTIVE - III) Design of Heat Transfer Equipments
	402044 C	(ELECTIVE - III) Modern Machining Processes
	402044 D	(ELECTIVE - III) Industrial Engineering
	402044 E	(ELECTIVE - III) Internet of Things
	402044 F	(ELECTIVE - III) Computational Fluid Dynamics
Wednesday 22/05/2024	402045 A	(ELECTIVE - IV) Product Design and Development
	402045 B	(ELECTIVE - IV) Experimental Methods in Thermal Engineering
	402045 C	(ELECTIVE - IV) Additive Manufacturing
	402045 D	(ELECTIVE - IV) Operations Research
	402045 E	(ELECTIVE - IV) Augmented Reality and Virtual Reality

NOTE: - * PLEASE NOTE THE TIME

B.E. MECHANICAL

SEMESTER - VIII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	402048	Computer Integrated Manufacturing
Saturday 11/05/2024	402049	Energy Engineering
Friday 17/05/2024	402050 A	(ELECTIVE - V) Quality and Reliability Engineering
	402050 B	(ELECTIVE - V) Energy Audit and Management
	402050 C	(ELECTIVE - V) Manufacturing Systems and Simulation
	402050 D	(ELECTIVE - V) Engineering Economics and Financial Management
	402050 E	(ELECTIVE - V) Organizational Informatics
	402050 F	(ELECTIVE - V) Computational Multi Body Dynamics
Tuesday 21/05/2024	402051 A	(ELECTIVE - VI) Process Equipment Design
	402051 B	(ELECTIVE - VI) Renewable Energy Technologies
	402051 C	(ELECTIVE - VI) Automation and Robotics
	402051 D	(ELECTIVE - VI) Industrial Psychology and Organizational Behavior
	402051 E	(ELECTIVE - VI) Electrical and Hybrid Vehicle

SAVITRIBAI PHULE PUNE UNIVERSITY

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EXAMINATION CIRCULAR NO. 134 OF. 2024

THIRD YEAR ENGINEERING (2019 PATTERN)

Endsem Examination of March / April - 2024

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

INSTRUCTIONS FOR CANDIDATES

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CIVIL ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Hydrology and Water Resources Engineering (301001)
Saturday 18-05-2024	Water Supply Engineering (301002)
Wednesday 22-05-2024	Design of Steel Structures (301003) # (Time : 10:00 AM To 01:00 PM)
Saturday 25-05-2024	Engineering Economics and Financial Management (301004)
Tuesday 28-05-2024	ELECTIVE-I Advanced Fluid Mechanics and Hydraulic Machines (301005 a)
	ELECTIVE-I Research Methodology and IPR (301005 b)
	ELECTIVE-I Construction Management. (301005 c)
	ELECTIVE-I Advanced Concrete Technology (301005 d)
	ELECTIVE-I Matrix Methods of Structural Analysis (301005 e)
	ELECTIVE-I Advanced Mechanics of Structures (301005 f)

Note : - # Please Note the time

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Waste Water Engineering (301012)
Friday 17-05-2024	Design of RC Structures (301013) # (Time : 10:00 AM To 01:00 PM)
Tuesday 21-05-2024	Remote Sensing and GIS (301014)
Friday 24-05-2024	ELECTIVE-II Advanced Engineering Geology with Rock Mechanics (301015 a)
	ELECTIVE-II Soft Computing Techniques (301015 b)
	ELECTIVE-II Advanced Surveying. (301015 c)
	ELECTIVE-II Advanced Geotechnical Engineering (301015 d)
	ELECTIVE-II Architecture and Town Planning (301015 e)
	ELECTIVE-II Solid Waste Management (301015 f)

Note : - # Please Note the time

CHEMICAL ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Mass Transfer-I (309341)
Saturday 18-05-2024	Chemical Technology -II (309342)
Wednesday 22-05-2024	Chemical Engineering Mathematics (309343)
Saturday 25-05-2024	Chemical Engineering Thermodynamics (309344)
Tuesday 28-05-2024	ELECTIVE-I Chemical Industry Management (309345A)
	ELECTIVE-I Food Technology (309345 B)
	ELECTIVE-I Polymer Engineering (309345 C)
	ELECTIVE-I Downstream Processing (309345 D)

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Chemical Reaction Engineering I (309348)
Friday 17-05-2024	Mass Transfer II (309349)
Tuesday 21-05-2024	Transport Phenomena (309350)
Friday 24-05-2024	ELECTIVE-II Energy Conservation in Chemical Process Industries (309351 A)
	ELECTIVE-II Process Instrumentation and Control (309351 B)
	ELECTIVE-II Corrosion Engineering (309351 C)
	ELECTIVE-II Artificial intelligence and Data Science (309351 D)

COMPUTER ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Database Management Systems (310241) *
Saturday 18-05-2024	Theory of Computation (310242)
Wednesday 22-05-2024	Systems Programming and Operating System (310243)
Saturday 25-05-2024	Computer Networks and Security (310244)
Tuesday 28-05-2024	ELECTIVE-I Internet of Things and Embedded Systems (310245 A)
	ELECTIVE-I Human Computer Interface (310245 B) *
	ELECTIVE-I Distributed Systems (310245 C)
	ELECTIVE-I Software Project Management (310245 D)

Note :- * Common with A.I.D.S.

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Data Science and Big Data Analytics (310251)
Friday 17-05-2024	Web Technology (310252)
Tuesday 21-05-2024	Artificial Intelligence (310253)
Friday 24-05-2024	ELECTIVE-II Information Security (310254 A)
	ELECTIVE-II Augmented and Virtual Reality (310254 B)
	ELECTIVE-II Cloud Computing (310254 C) *
	ELECTIVE-II Software Modeling and Architectures (310254 D)*

Note :- * Common with A.I.D.S.

Artificial Intelligence and Data Science Engineering

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Data Base Management System (310241) *
Saturday 18-05-2024	Computer Networks (317521)
Wednesday 22-05-2024	Web Technology (310252)
Saturday 25-05-2024	Artificial Intelligence (310253)
Tuesday 28-05-2024	ELECTIVE-I Embedded Systems & Security (317522 A)
	ELECTIVE-I Design Thinking (314445 C) **
	ELECTIVE-I Pattern Recognition (317522 B)
	ELECTIVE-I Human Computer Interface (310245 B) *

Note :- * **Common with Computer Engineering**
 ** **Common with Information Technology**

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Data Science (317529)
Friday 17-05-2024	Cyber security (317530)
Tuesday 21-05-2024	Artificial Neural Network (317531)
Friday 24-05-2024	ELECTIVE-II Robotics and Automation (317532 A)
	ELECTIVE-II Natural Language Processing (317532B)
	ELECTIVE-II Cloud Computing (310254 C) *
	ELECTIVE-II Software Modeling and Architecture (310254 D)*

Note :- * **Common with Computer Engineering**

ELECTRICAL ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Industrial and Technology Management (303141)
Saturday 18-05-2024	Power Electronics (303142)
Wednesday 22-05-2024	Electrical Machines-II (303143)
Saturday 25-05-2024	Electrical Installation Design and Condition Based Maintenance (303144)
Tuesday 28-05-2024	ELECTIVE-I Advanced Microcontroller and Embedded System (303145 A)
	ELECTIVE-I Digital Signal Processing (303145 B)
	ELECTIVE-I Open Elective (303145 C)

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Power System-II (303148)
Friday 17-05-2024	Computer Aided Design of Electrical Machines (303149)
Tuesday 21-05-2024	Control System Engineering (303150)
Friday 24-05-2024	ELECTIVE-II IoT and its Applications in Electrical Engineering (303151 A)
	ELECTIVE-II Electrical Mobility (303151 B)
	ELECTIVE-II Cybernetic Engineering (303151 C)
	ELECTIVE-II Energy Management (303151 D)

ELECTRONICS ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Power and Industrial Electronics (304201)
Saturday 18-05-2024	Electromagnetic Waves and Propagation Theory (304202)
Wednesday 22-05-2024	Database Management (304183) *
Saturday 25-05-2024	Microcontrollers and Applications (304204)
Tuesday 28-05-2024	ELECTIVE-I Instrumentation systems (304205)
	ELECTIVE-I Machine Learning (304205)
	ELECTIVE-I Fundamentals of JAVA Programming (304185) *
	ELECTIVE-I Data Communication (304205)
	ELECTIVE-I Computer Networks (304205)
Note :- * Common with E&TC	

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Fundamentals of HDL (304212)
Friday 17-05-2024	Embedded Processors and Applications (304213)
Tuesday 21-05-2024	Industrial Management (304214)
Friday 24-05-2024	ELECTIVE-II PLC & Automation (304215)
	ELECTIVE-II Advanced JAVA Programming (304195) *
	ELECTIVE-II Digital Signal Processing (304215)
	ELECTIVE-II Fiber Optic Communication (304215)
	ELECTIVE-II e Mobility (304215)

Note : *Common with E&TC

ELECTRONICS & TELECOMMUNICATION ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Digital Communication (304181)
Saturday 18-05-2024	Electromagnetic Field Theory (304182)
Wednesday 22-05-2024	Database Management (304183) *
Saturday 25-05-2024	Microcontrollers (304184)
Tuesday 28-05-2024	ELECTIVE-I Digital Signal Processing (304185)
	ELECTIVE-I Electronic Measurements (304185)
	ELECTIVE-I Fundamentals of JAVA Programming (304185) *
	ELECTIVE-I Computer Networks (304185)
Note :- * Common with Electronics	

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Cellular Networks (304192)
Friday 17-05-2024	Project Management (304193)
Tuesday 21-05-2024	Power Devices & Circuits (304194)
Friday 24-05-2024	ELECTIVE-II Digital Image Processing (304195)
	ELECTIVE-II Sensors in Automation (304195)
	ELECTIVE-II Advanced JAVA Programming (304195) *
	ELECTIVE-II Embedded Processors (304195)
	ELECTIVE-II Network Security (304195)
Note :- * Common with Electronics	

Electronics and Computer Engineering

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Database Management Systems (310341)
Saturday 18-05-2024	Advanced Java Programming (310342)
Wednesday 22-05-2024	Data Communication (310343)
Saturday 25-05-2024	Microcontroller and Applications (310344)
Tuesday 28-05-2024	ELECTIVE-I Distributed Systems (310345 A)
	ELECTIVE-I Block Chain Technology (310345 B)
	ELECTIVE-I Digital Signal Processing (310345 C)
	ELECTIVE-I Sensors and Applications (310345 D)

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Software Engineering and Project Management (310352)
Friday 17-05-2024	Computer Networks and Security (310353)
Tuesday 21-05-2024	Embedded Processors & Applications (310354)
Friday 24-05-2024	ELECTIVE-II Software Modeling and Design (310355 A)
	ELECTIVE-II Advanced Database Management Systems (310355 B)
	ELECTIVE-II Power Electronics (310355 C)
	ELECTIVE-II PLC and Automation (310355 D)

INFORMATION TECHNOLOGY ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Theory of Computation (314441)
Saturday 18-05-2024	Operating Systems (314442)
Wednesday 22-05-2024	Machine Learning (314443)
Saturday 25-05-2024	Human Computer Interaction (314444)
Tuesday 28-05-2024	ELECTIVE-I Design and Analysis of Algorithm (314445 A)
	ELECTIVE-I Advanced Database and Management System (314445 B)
	ELECTIVE-I Design Thinking (314445 C) *
	ELECTIVE-I Internet of Things (314445 D)

* Common with A.I.D.S.

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Computer Networks & Security (314451)
Friday 17-05-2024	Data Science and Big Data Analytics (314452)
Tuesday 21-05-2024	Web Application Development (314453A)
Friday 24-05-2024	ELECTIVE-II Artificial Intelligence (314454 A)
	ELECTIVE-II Cyber Security (314454 B)
	ELECTIVE-II Cloud Computing (314454 C)
	ELECTIVE-II Software Modeling and Design (314454 D)

INSTRUMENTATION & CONTROL ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Embedded Systems (306261)
Saturday 18-05-2024	Industrial Automation-I (306262)
Wednesday 22-05-2024	Modern Control Theory (306263)
Saturday 25-05-2024	Operating System (306264)
Tuesday 28-05-2024	ELECTIVE-I Mechatronics & Robotics (306265 A)
	ELECTIVE-I Data Science (306265 B)
	ELECTIVE-I Power Electronics (306265 C)
	ELECTIVE-I Bio-Medical Instrumentation (306265 D)

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Internet of Things (306268)
Friday 17-05-2024	Industrial Automation-II (306269)
Tuesday 21-05-2024	Digital Signal Processing (306270)
Friday 24-05-2024	ELECTIVE-II Building Automation (306271 A)
	ELECTIVE-II Machine Learning (306271 B)
	ELECTIVE-II Electrical Drives (306271 C)
	ELECTIVE-II Analytical Instrumentation (306271 D)

AUTOMOBILE ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Numerical & Optimization Methods (316481)
Saturday 18-05-2024	Heat Transfer (316482)
Wednesday 22-05-2024	Design of Machine Components (316483)
Saturday 25-05-2024	Automobile Electrical and Electronics (316484)
Tuesday 28-05-2024	ELECTIVE-I Advanced Forming & Joining Processes (302045-A)*
	ELECTIVE-I Machining Science and Technology (302045-B)*

Note :- * Common with Mechanical

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Automotive Refrigeration and Air Conditioning (316485)
Friday 17-05-2024	Automotive Chassis and Transmission (316486)
Tuesday 21-05-2024	Design of Engine Components (316487)
Friday 24-05-2024	ELECTIVE-II Automotive Aerodynamics and Body Engineering (316488-A)
	ELECTIVE-II Automotive Materials (316488-B)

MECHANICAL ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Numerical & Statistical Methods (302041) *
Saturday 18-05-2024	Heat & Mass Transfer (302042) *
Wednesday 22-05-2024	Design of Machine Elements (302043) *
Saturday 25-05-2024	Mechatronics (302044) *
Tuesday 28-05-2024	ELECTIVE-I Advanced Forming & Joining Processes (302045-A) **
	ELECTIVE-I Machining Science & Technology (302045-B) **

NOTE:- * **Common to Mechanical Sandwich Engineering**
** **Common to Automobile Engineering**

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Artificial Intelligence & Machine Learning (302049)
Friday 17-05-2024	Computer Aided Engineering (302050)
Tuesday 21-05-2024	Design of Transmission Systems (302051) # (Time : 10:00 AM To 01:00 PM)
Friday 24-05-2024	ELECTIVE-II Composite Materials (302052-A)
	ELECTIVE-II Surface Engineering (302052-B)

Note : - # Please Note the time

MECHANICAL-SANDWICH ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Numerical & Statistical Methods (302041) *
Saturday 18-05-2024	Heat & Mass Transfer (302042) *
Wednesday 22-05-2024	Design of Machine Elements (302043) *
Saturday 25-05-2024	Mechatronics (302044) *
Tuesday 28-05-2024	Fundamentals of Computer Aided Engineering (302061)

NOTE:- * *Common to Mechanical Engineering*

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Process Planning & Tool Selection (Self-Study-I) (302066)
Friday 17-05-2024	Advanced Materials & Manufacturing (Self-Study-II) (302067)

Automation and Robotics Engineering

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Design of Robot Elements (302521)
Saturday 18-05-2024	Robot Kinematics and Dynamics (302522)
Wednesday 22-05-2024	Computer Aided Engineering and Manufacturing (302523)
Saturday 25-05-2024	Signal Processing and Conditioning (302524)
Tuesday 28-05-2024	ELECTIVE-I Advanced Forming & Joining Processes (302525-A)
	ELECTIVE-I Optimization Techniques (302525-B)

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Sensors and Vision Systems in Robots (302527)
Friday 17-05-2024	Artificial Intelligence in Robots (302528)
Tuesday 21-05-2024	Modelling and Simulation (302529)
Friday 24-05-2024	ELECTIVE-II Machining Science and Technology (302530-A)
	ELECTIVE-II Maintenance and Safety Engineering (302530-B)

B. Tech. Biotechnology Engineering

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Analytical Techniques (315461)
Saturday 18-05-2024	Material Balances and Stoichiometry (315462)
Wednesday 22-05-2024	Genetic Engineering (315463)
Saturday 25-05-2024	Introduction to Immunology (315464)
Tuesday 28-05-2024	ELECTIVE-I Enzyme Technology (315465 A)
	ELECTIVE-I Good Laboratory Practices and Good Manufacturing Practices (315465 B)
	ELECTIVE-I Agricultural Biotechnology (315465 C)

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Fermentation Technology (315471)
Friday 17-05-2024	Mass Transfer (315472)
Tuesday 21-05-2024	Bioseparation Engineering (315473)
Friday 24-05-2024	ELECTIVE-II Instrumentation and Process Control (315474 A)
	ELECTIVE-II Food Biotechnology (315474 B)
	ELECTIVE-II Data base management systems (315474 C)

Printing Engineering

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Print Statistics (308281)
Saturday 18-05-2024	Offset Printing Techniques (308282)
Wednesday 22-05-2024	Color Science and Measurement (308283)
Saturday 25-05-2024	Ink Technology (308284)
Tuesday 28-05-2024	ELECTIVE-I Cyber Security (308286 A)
	ELECTIVE-I Wood, Glass and Metal Based Packaging (308286 B)
	ELECTIVE-I Engineering Ethics (308286 C)

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Flexo Printing Techniques (308289)
Friday 17-05-2024	Color Management (308290)
Tuesday 21-05-2024	Design of Experiments (308291)
Friday 24-05-2024	ELECTIVE-II Maintenance Management of Printing Machines (308293 A)
	ELECTIVE-II Basic Communication Systems and Electronic Instrumentation (308293 B)
	ELECTIVE-II E-Publishing (308293 C)

Production Engineering

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Engineering Metrology and Instrumentation (311081 A)
Saturday 18-05-2024	Material Forming Technology (311082 A)
Wednesday 22-05-2024	Machining Science and Technology (311083 A)
Saturday 25-05-2024	Kinematics and Design of Machines (311084 A)
Tuesday 28-05-2024	ELECTIVE-I Finite Element Analysis (311085 A)-I
	ELECTIVE-I Advances in Manufacturing Processes (311085 A)-II
	ELECTIVE-I Mechatronics (311085 A)-III
	ELECTIVE-I Supply Chain Management (311085 A)-IV

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Production Tooling (311088 (A)
Friday 17-05-2024	Production and Operations Management (311089) (A)
Tuesday 21-05-2024	Process Engineering and Resource Planning (311090 (A)
Friday 24-05-2024	ELECTIVE-II Product Design and Development (311091 A)-I
	ELECTIVE-II Nano Manufacturing (311091 A)-II
	ELECTIVE-II Statistics and Numerical Methods (311091 A)-III
	ELECTIVE-II Financial Management and Costing (311091 A)-IV

Production Sandwich

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Manufacturing Technology (Self Study) (311122)(A)

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Kinematics and Design of Machines (311084 A)
Friday 17-05-2024	Material forming and Mould Design (311124 A)
Tuesday 21-05-2024	Metrology & Quality Control (311125 A)
Friday 24-05-2024	Statistics and Numerical Optimization methods (311088 A)
Monday 27-05-2024	ELECTIVE-II Advanced Materials (311126 A)-I
	ELECTIVE-II Costing and Cost Control (311126 A)-II
	ELECTIVE-II Advanced Joining Technology (311126 A)-III
	ELECTIVE-II World Class Manufacturing (311126 A)-IV

Mechatronics Engineering

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Machine Design (317541)
Saturday 18-05-2024	Manufacturing Processes (317542)
Wednesday 22-05-2024	Control System (317543)
Saturday 25-05-2024	Digital Signal Processing (317544)
Tuesday 28-05-2024	Microcontrollers (317545)

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Industrial Automation (317547)
Friday 17-05-2024	Electro-Mechanical System (317548)
Tuesday 21-05-2024	Finite Element Analysis (317549)
Friday 24-05-2024	Embedded System Design (317550)
Monday 27-05-2024	Artificial Intelligence & Machine Learning (317551)

Robotics and Automation Engineering

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Embedded systems in Robotics (311501 A)
Saturday 18-05-2024	Hydraulics and Pneumatics (311502 A)
Wednesday 22-05-2024	Robot Kinematics and Dynamics (311503 A)
Saturday 25-05-2024	Sensors Technology (311504 A)
Tuesday 28-05-2024	ELECTIVE-I Statistics and Numerical Methods (311505 A)-I
	ELECTIVE-I Finite Element Analysis (311505 A)-II
	ELECTIVE-I Industrial Robotics and Material handling Systems (311505 A)-III
	ELECTIVE-I Intelligent Manufacturing System (311505 A)-IV

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Robot Programming (311508 A)
Friday 17-05-2024	Artificial Intelligence for Robotics (311509 A)
Tuesday 21-05-2024	Flexible Manufacturing Systems (311510 A)
Friday 24-05-2024	ELECTIVE-II Micro-electro-mechanical Systems (311511A)-I
	ELECTIVE-II Humanoid Robots (311511 A)-II
	ELECTIVE-II Modeling and Simulation (311511 A)-III
	ELECTIVE-II Swarm Intelligence in Robotics (311511 A)-IV

Artificial Intelligence and Machine Learning

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Design and analysis of Algorithm (318541)
Saturday 18-05-2024	IoT with Artificial Intelligence (318542)
Wednesday 22-05-2024	Web Technology (318543)
Saturday 25-05-2024	Management & Entrepreneurship for IT Industry (318544)
Tuesday 28-05-2024	ELECTIVE-I Robotics (318545 A)
	ELECTIVE-I Pattern Recognition (318545 B)
	ELECTIVE-I Information Security (318545 C)
	ELECTIVE-I Business Intelligence (318545 D)

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Machine intelligence for Data Science (318552)
Friday 17-05-2024	Data Mining & Warehousing (318553)
Tuesday 21-05-2024	Artificial Neural Network (318554)
Friday 24-05-2024	ELECTIVE-II Industrial Internet of Things (318555 A)
	ELECTIVE-II Brain computer interface (318555 B)
	ELECTIVE-II AI for cyber security (318555 C)
	ELECTIVE-II Video Analytics (318555 D)

Computer Science and Design

SEM-I

Day & Date	2021 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Software Engineering and Project Management (318241)
Saturday 18-05-2024	Theory of Computation (318242)
Wednesday 22-05-2024	Database System Design (318243)
Saturday 25-05-2024	Design and analysis of Algorithm (318244)
Tuesday 28-05-2024	ELECTIVE-I Internet of Things (318245 A)
	ELECTIVE-I Pattern Recognition (318245 B)
	ELECTIVE-I Distributed Systems (318245 C)
	ELECTIVE-I Data Mining and warehousing (318245 D)

SEM-II

Day & Date	2021 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	ARTIFICIAL INTELLIGENCE (318251)
Friday 17-05-2024	WEB TECHNOLOGY & APPLICATION DESIGN (318252)
Tuesday 21-05-2024	UI/UX DESIGN (318253)
Friday 24-05-2024	ELECTIVE-II MULTIMEDIA TECHNIQUES (318254 A)
	ELECTIVE-II AUGMENTED AND VIRTUAL REALITY (318254 B)
	ELECTIVE-II CLOUD COMPUTING (318254 C)
	ELECTIVE-II BUSINESS INTELLIGENCE AND DATA ANALYTICS (318254 D)

HONORS / MINORS

SEM-I

Day & Date	Honors / Minors	Time : Time : 10:00 AM To 12:30 PM
Thursday 30-05-2024	Artificial Intelligence And Machine	Computational Statistics (310301)
	Cyber Security	Information and Cyber Security (310401)
	Data Science	Data Science and Visualization (310501)
	Internet of Things	Embedded Systems and Internet of Things (310601)
	Virtual Reality And Augmented Reality	Virtual Reality (310701)
	Systems Engineering	Foundations of systems & systems engineering (302041MJ)
	Energy Management in Utility Systems	Energy Management (302021MJ)
	Electric Vehicles	e-Vehicle Technology (302031MJ)
	3D Printing	Additive Manufacturing Technology (302011MJ)
	Robotics	Principles of Robotics (304181 HR)
	Block Chain Technology	Introduction to Block chain (304181 HBCT)
	Metro Construction	Surveying in Metro construction (301301)
	Architecture and Town Planning	Urban Housing and Infrastructure Planning (301401)
	Advanced Packaging Technology	Internet of Things (308211)

HONORS / MINORS

SEM-II

Day & Date	Honors / Minors	Time : 10:00 AM To 12:30 PM
Wednesday 29-05-2024	Artificial Intelligence And Machine	Artificial Intelligence (310303)
	Cyber Security	Enterprise Architecture and Components (310403)
	Data Science	Statistics and Machine Learning (310503)
	Internet of Things	Internet of Things Architectures, Protocols and Systems Programming (310603)
	Virtual Reality And Augmented Reality	Augmented Reality (310703)
	Systems Engineering	Model Based Systems Engineering (302043MJ)
	Energy Management in Utility Systems	Energy Efficiency of Thermal Utilities (302023MJ)
	Electric Vehicles	e-Vehicle System Design (302033MJ)
	3D Printing	Design for Additive Manufacturing (302013MJ)
	Robotics	Robot Programming & Simulation (304183 HR)
	Block Chain Technology	Decentralize & Blockchain Technologies (304183 HBCT)
	Metro Construction	Planning and Quantity estimation for metro construction (301303)
	Architecture and Town Planning	Sustainable Architecture and Landscape Design (301403)
Advanced Packaging Technology	Smart Packaging (308213)	

Ganeshkhind, Pune - 411 007

Ref.No/ XCT/ 249

Date: 13 / 04 / 2024

Director

Board of Examinations and Evaluation

SAVITRIBAI PHULE PUNE UNIVERSITY

(Formerly University of Pune)



EXAMINATION CIRCULAR NO. 135 OF. 2024

SECOND YEAR ENGINEERING (2019 PATTERN)

END SEM-EXAMINATION TIMETABLE MARCH/APRIL - 2024

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

INSTRUCTIONS FOR CANDIDATES

1. Candidates are required to be present at the examination centre, THIRTY MINUTES before the stipulated time.
2. Candidates are forbidden from taking any material into the examination hall that can be treated as a malpractice.
3. Candidates are requested to see the Notice Board at their center of examination regularly for changes if any that may be notified later in the program.
4. No request shall be granted for change in time or date for the University Examination on any ground.
5. Candidates are requested to note the Day, Date and Time of Paper.
6. Candidates are permitted to use stencils at the time of examination.
7. The exchanges of side-rules, drawing instruments of other materials used in the examination hall is not permitted at the time of examination. Candidates must bring their own instruments and will not be allowed to borrow from each other under any circumstances.
8. Use of non-programmable battery operated electronic pocket size Calculator is allowed. The exchange of Calculators is not allowed. Electronics Devices including mobile are not allowed at the time of examination.
9. The written examination will be conducted in the following order.

CIVIL ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	201008	Geotechnical Engineering
Saturday 18-05-2024	201009	Survey
Wednesday 22-05-2024	201010	Concrete Technology
Saturday 25-05-2024	201011	Structural Analysis
Tuesday 28-05-2024	201012	Project management

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	201001	Building Technology and Architectural Planning
Friday 17-05-2024	201002	Mechanics of structure
Tuesday 21-05-2024	201003	Fluid Mechanics
Friday 24-05-2024	207001	Engineering Mathematics III
Monday 27-05-2024	207009	Engineering Geology

ELECTRICAL ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	203145	Power System - I
Saturday 18-05-2024	203146	Electrical Machines - I
Wednesday 22-05-2024	203147	Network Analysis
Saturday 25-05-2024	203148	Numerical Methods & Computer Programming
Tuesday 28-05-2024	203149	Fundamental of Microcontroller and Applications

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	203141	Power Generation Technologies
Friday 17-05-2024	203142	Material Science
Tuesday 21-05-2024	203143	Analog and Digital Electronics
Friday 24-05-2024	203144	Electrical Measurement & Instrumentation
Monday 27-05-2024	207006	Engineering Mathematics -III

**ELECTRONICS / ELECTRONICS & TELECOMMUNICATIN
ENGINEERING**

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	204191	Signals & Systems *
Saturday 18-05-2024	204192	Control Systems
Wednesday 22-05-2024	204193	Principles of Communication Systems *
Saturday 25-05-2024	204194	Object Oriented Programming *

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	207005	Engineering Mathematics III *
Friday 17-05-2024	204181	Electronic Circuits
Tuesday 21-05-2024	204182	Digital Circuits*
Friday 24-05-2024	204183	Electrical Circuits
Monday 27-05-2024	204184	Data structures

* Common with Electronics & Computer Engineering

ELECTRONICS & COMPUTER ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	204191	Signals & Systems *
Saturday 18-05-2024	204206	Principles of Programming Language
Wednesday 22-05-2024	204193	Principles of Communication System *
Saturday 25-05-2024	204194	Object Oriented Programming *
Tuesday 28-05-2024	204207	System Programming & Operating Systems

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	207005	Engineering Mathematics III *
Friday 17-05-2024	204202	Electronic Circuits
Tuesday 21-05-2024	204182	Digital Circuits *
Friday 24-05-2024	204184	Data structures & Algorithms
Monday 27-05-2024	204203	Computer Organization

* Common with Electronics / Electronics & Telecommunication Engineering

COMPUTER ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	207003	Engineering Mathematics III # **
Saturday 18-05-2024	210252	Data Structures and Algorithms *
Wednesday 22-05-2024	210253	Software Engineering *
Saturday 25-05-2024	210254	Microprocessor
Tuesday 28-05-2024	210255	Principles of Programming Languages

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	210241	Discrete Mathematics # *
Friday 17-05-2024	210242	Fundamentals of Data Structures *
Tuesday 21-05-2024	210243	Object Oriented Programming (OOP) # *
Friday 24-05-2024	210244	Computer Graphics # *
Monday 27-05-2024	210245	Digital Electronics and Logic Design

Common with COMPUTER SCIENCE & DESIGN ENGINEERING

* Common with ARTIFICIAL INTELLIGENCE & DATA SCIENCE ENGINEERING

** Common with Information Technology Engineering

ARTIFICIAL INTELLIGENCE & DATA SCIENCE ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	217528	Statistics
Saturday 18-05-2024	210252	Data Structures and Algorithms *
Wednesday 22-05-2024	210253	Software Engineering *
Saturday 25-05-2024	217529	Internet of Things
Tuesday 28-05-2024	217530	Management Information System

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	210241	Discrete Mathematics *
Friday 17-05-2024	210242	Fundamentals of Data Structures *
Tuesday 21-05-2024	210243	Object Oriented Programming *
Friday 24-05-2024	210244	Computer Graphics *
Monday 27-05-2024	217521	Operating Systems

* Common with Computer Engineering

COMPUTER SCIENCE & DESIGN ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	207003	Engineering Mathematics - III *
Saturday 18-05-2024	218253	Data Structures and Files
Wednesday 22-05-2024	218254	Operating Systems
Saturday 25-05-2024	218255	Computer Networks
Tuesday 28-05-2024	218256	Design Thinking

SEMESTER – III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	210241	Discrete Mathematics *
Friday 17-05-2024	218242	Data Structure And Algorithms
Tuesday 21-05-2024	210243	Object Oriented Programming (OOP) *
Friday 24-05-2024	210244	Computer Graphics *
Monday 27-05-2024	218245	Logic Design and Computer Architecture

* Common with Computer Engineering

INFORMATION TECHNOLOGY ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	207003	Engineering Mathematics-III **
Saturday 18-05-2024	214451	Processor Architecture
Wednesday 22-05-2024	214452	Database Management System
Saturday 25-05-2024	214453	Computer Graphics
Tuesday 28-05-2024	214454	Software Engineering

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	214441	Discrete Mathematics
Friday 17-05-2024	214442	Logic Design and Computer Organization
Tuesday 21-05-2024	214443	Data Structures and Algorithms
Friday 24-05-2024	214444	Object Oriented Programming
Monday 27-05-2024	214445	Basic of Computer Network

** Common with Computer Engineering

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	207003	Engineering Mathematics-III *
Saturday 18-05-2024	218552	Operating Systems
Wednesday 22-05-2024	218553	Fundamentals of Artificial Intelligence and Machine Learning
Saturday 25-05-2024	218554	Database Management System
Tuesday 28-05-2024	218555	Computer Graphics

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	218541	Discrete Mathematics
Friday 17-05-2024	218542	Data Structures & Algorithms
Tuesday 21-05-2024	218543	Computer Networks
Friday 24-05-2024	218544	Object Oriented Programming
Monday 27-05-2024	218545	Software Engineering

* Common with Computer

B.TECH. BIOTECHNOLOGY

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	215470	Biochemistry II
Saturday 18-05-2024	215471	Cell Biology & Tissue Culture
Wednesday 22-05-2024	215472	Thermodynamics
Saturday 25-05-2024	215473	Genetics & Molecular Biology

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	207004	Engineering Mathematics III *
Friday 17-05-2024	215461	Biochemistry I
Tuesday 21-05-2024	215462	Fluid Flow & Unit Operations
Friday 24-05-2024	215463	Heat transfer
Monday 27-05-2024	215464	Microbiology

* Common with Printing & Chemical Engineering

CHEMICAL ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	209347	Industrial Chemistry II
Saturday 18-05-2024	209348	Heat Transfer
Wednesday 22-05-2024	209349	Principles of Design
Saturday 25-05-2024	209350	Chemical Technology I
Tuesday 28-05-2024	209351	Mechanical Operations

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	207004	Engineering Mathematics -III *
Friday 17-05-2024	209341	Industrial Chemistry I
Tuesday 21-05-2024	209342	Fluid Mechanics
Friday 24-05-2024	209343	Engineering Materials
Monday 27-05-2024	209344	Process Calculations

* Common with Printing & Biotechnology

PRODUCTION ENGINEERING AND INDUSTRIAL ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	203050	Electrical and Electronics Engineering *
Saturday 18-05-2024	211091	Theory of Machines *
Wednesday 22-05-2024	211092	Design of Machine Elements *
Saturday 25-05-2024	211093	Advanced Materials
Tuesday 28-05-2024	211094	Industrial Engineering and Management *

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	207007	Engineering Mathematics -III *
Friday 17-05-2024	211081	Heat and Fluid Engineering *
Tuesday 21-05-2024	211082	Strength of Materials *
Friday 24-05-2024	211083	Manufacturing Processes -I *
Monday 27-05-2024	211084	Materials Science and Metallurgy *

* Common with Production Engineering (Sandwich)

PRODUCTION ENGINEERING (SANDWICH)

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	203050	Electrical and Electronics Engineering *
Saturday 18-05-2024	211091	Theory of Machines *
Wednesday 22-05-2024	211092	Design of Machine Elements *
Saturday 25-05-2024	211121	Manufacturing Process- II
Tuesday 28-05-2024	211094	Industrial Engineering and Management *

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	207007	Engineering Mathematics -III *
Friday 17-05-2024	211081	Heat and Fluid Engineering *
Tuesday 21-05-2024	211082	Strength of Materials *
Friday 24-05-2024	211083	Manufacturing Processes -I *
Monday 27-05-2024	211084	Materials Science and Metallurgy *

* Common with Production Engineering

PRINTING ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	203155	Electrical Machines and Utilization
Saturday 18-05-2024	208286	Finishing Techniques
Wednesday 22-05-2024	208287	Introduction to Packaging Concepts
Saturday 25-05-2024	208288	Microprocessor and Microcontroller Techniques in Printing
Tuesday 28-05-2024	208289	Print Production Techniques

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	207004	Engineering Mathematics III *
Friday 17-05-2024	202060	Theory of Printing Machine and M/c. Components
Tuesday 21-05-2024	208281	Introduction to Printing Processes
Friday 24-05-2024	208282	Material Science in Printing and Packaging
Monday 27-05-2024	208283	Printing Digital Electronics

* Common with B.Tech. Biotechnology & Chemical Engineering

* Common with Production Engineering (Sandwich)

ROBOTICS & AUTOMATION(RA) ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	211508	Industrial Engineering and Management
Saturday 18-05-2024	211509	Control System Engineering
Wednesday 22-05-2024	211510	Design of Machine Elements
Saturday 25-05-2024	211511	Metrology and Quality Assurance
Tuesday 28-05-2024	211512	Computer Graphics for Robotics

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	207007	Engineering Mathematics-III *
Friday 17-05-2024	211501	Industrial Electronics and Electrical Technology
Tuesday 21-05-2024	211082	Strength of Materials *
Friday 24-05-2024	211502	Manufacturing Technology
Monday 27-05-2024	211503	Materials Science and Engineering Metallurgy

* Common with Production Engineering

AUTOMOBILE & MECHANICAL ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	202047	Kinematics of Machinery *
Saturday 18-05-2024	202048	Applied Thermodynamics
Wednesday 22-05-2024	202049	Fluid Mechanics
Saturday 25-05-2024	202050	Manufacturing Processes
Tuesday 28-05-2024	207002	Engineering Mathematics - III *

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	202041	Solid Mechanics *
Friday 17-05-2024	202042	Solid Modeling and Drafting *
Tuesday 21-05-2024	202043	Engineering Thermodynamics *
Friday 24-05-2024	202044	Engineering Materials and Metallurgy *
Monday 27-05-2024	203156	Electrical and Electronics Engineering *

* Common with Mechanical Sandwich

MECHANICAL SANDWICH ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	202047	Kinematics of Machinery *
Saturday 18-05-2024	202062	FLUID MECHANICS & MACHINERY
Wednesday 22-05-2024	202063	MANUFACTURING ENGINEERING
Saturday 25-05-2024	202061	THERMAL ENGINEERING
Tuesday 28-05-2024	207002	Engineering Mathematics - III *

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	202041	Solid Mechanics *
Friday 17-05-2024	202042	Solid Modeling and Drafting *
Tuesday 21-05-2024	202043	Engineering Thermodynamics *
Friday 24-05-2024	202044	Engineering Materials and Metallurgy *
Monday 27-05-2024	203156	Electrical and Electronics Engineering *

* Common with Automobile & Mechanical Engineering

AUTOMATION & ROBOTICS ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	202047	Kinematics of Machinery *
Saturday 18-05-2024	202524	Principles of Robotics
Wednesday 22-05-2024	202523	Fluid & Thermal Engineering
Saturday 25-05-2024	202050	Manufacturing Processes *
Tuesday 28-05-2024	207002	Engineering Mathematics - III *

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	202041	Solid Mechanics *
Friday 17-05-2024	202042	Solid Modeling and Drafting *
Tuesday 21-05-2024	202521	Electrical Technology
Friday 24-05-2024	202044	Engineering Materials and Metallurgy *
Monday 27-05-2024	202522	Industrial Electronics

* Common with Automobile & Mechanical Engineering

MECHATRONICS ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	217547	Kinematics of Machinery
Saturday 18-05-2024	217548	Fluid Mechanics and Machinery
Wednesday 22-05-2024	217549	Electrical Machines and drive
Saturday 25-05-2024	217550	Sensor and Actuator
Monday 27-05-2024	217551	Applications of Integrated Circuits

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	217542	Heat and Mass Transfer
Friday 17-05-2024	217543	Digital Electronics
Tuesday 21-05-2024	217544	Analysis of Mechanical Structure
Friday 24-05-2024	217541	Engineering Material
Tuesday 28-05-2024	207002	Engineering Mathematics - III *

* Common with Automobile & Mechanical Engineering

INSTRUMENTATION

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	206268	Control Systems
Saturday 18-05-2024	206269	Digital Electronics
Wednesday 22-05-2024	206270	Process Loop Elements
Saturday 25-05-2024	206271	Signals and Systems
Tuesday 28-05-2024	206272	Data Structures

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	206261	Sensors and Transducers
Friday 17-05-2024	206262	Linear Integrated Circuits
Tuesday 21-05-2024	206263	Electrical Measurements & Instrumentation
Friday 24-05-2024	206264	Control System Components
Monday 27-05-2024	207008	Engineering Mathematics III

Ganeshkhind, Pune - 411 007

Ref.No/XCT :- 250

Date : - 13 / 04 / 2024

Director,

Board of Examinations and Evaluation

SEMESTER – I/II

Time:- 10.00 AM To 12.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	107001	ENGINEERING MATHEMATICS-I
Thursday 16-05-2024	107002	ENGINEERING PHYSICS
Friday 17-05-2024	102003	SYSTEMS IN MECHANICAL ENGINEERING
Saturday 18-05-2024	107009	ENGINEERING CHEMISTRY
Wednesday 22-05-2024	103004	BASIC ELECTRICAL ENGINEERING
Saturday 25-05-2024	104010	BASIC ELECTRONICS ENGINEERING
Tuesday 28-05-2024	101011	ENGINEERING MECHANICS
Thursday 30-05-2024	110005	PROGRAMMING AND PROBLEM SOLVING
Saturday 01-06-2024	107008	ENGINEERING MATHEMATICS – II
Monday 03-06-2024	102012	ENGINEERING GRAPHICS

Ganeshkhind, Pune - 411 007

Ref.No/XCT/223

Date: 02/04/2024

Director,

Board of Examinations and

APR./MAY-2024

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