SAVITRIBAI PHULE PUNE UNIVERSITY

(Formerly University of Pune)

EXAMINATION CIRCULAR NO. 191 OF. 2023

BACHELOR OF ENGINEERING(2019 COURSE)

Examination of APR/MAY-2023

(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. COMPUTER

SEMESTER - VII

Time:- **3.00 PM. TO 5.30 PM.**

Day & Date	Paper Code	Subject
Wednesday 21-06-2023	410241	Design and Analysis of Algorithms
Thursday 22-06-2023	410242	Machine Learning
Friday 23-06-2023	410243	Blockchain Technology
Saturday 24-06-2023	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
Monday 26-06-2023	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:- **3.00 PM. TO 5.30 PM.**

Day & Date	Paper Code	Subject
Wednesday 07-06-2023	410250	High Performance Computing
Friday 09-06-2023	410251	Deep Learning
Wednesday 14-06-2023	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
Friday 16-06-2023	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. ELECTRONICS & TELECOMMUNICATION

SEMESTER - VII

Time:- 3.00 PM. TO 5.30 PM.

Day & Date	Paper Code	Subject
Wednesday 21-06-2023	404181	Radiation & Microwave Theory
Thursday 22-06-2023	404182	VLSI Design and Technology
Friday 23-06-2023	404183	Cloud Computing
Saturday 24-06-2023	404184 A	(ELECTIVE - III) Speech Processing
	404184 B	(ELECTIVE - III) PLC SCADA & Automation
	404184 C	(ELECTIVE - III) JAVA Script
	404184 D	(ELECTIVE - III) Embedded & RTOS
	404184 E	(ELECTIVE - III) Modernized IoT
Monday 26-06-2023	404185 A	(ELECTIVE - IV) Data Mining
	404185 B	(ELECTIVE - IV) Electronic Product Development
	404185 C	(ELECTIVE - IV) Deep Learning
	404185 D	(ELECTIVE - IV) Low Power CMOS
	404185 E	(ELECTIVE - IV) Smart Antennas

SEMESTER - VIII

Time:- 3.00 PM. TO 5.30 PM.

Day & Date	Paper Code	Subject
Wednesday 07-06-2023	404190	Fiber Optic Communication
Wednesday 14-06-2023	404191 A	(ELECTIVE - V) Biomedical Signal Processing
	404191 B	(ELECTIVE - V) Industrial Drives & Automation
	404191 C	(ELECTIVE - V) Android Development
	404191 D	(ELECTIVE - V) Embedded System Design
	404191 E	(ELECTIVE - V)Mobile Computing
Friday 16-06-2023	404192 A	(ELECTIVE - VI) System on Chip
	404192 B	(ELECTIVE - VI) Nano Electronics
	404192 C	(ELECTIVE - VI) Remote Sensing
	404192 D	(ELECTIVE - VI) Digital Marketing

B.E. INFORMATION TECHNOLOGY

SEMESTER - VII

Time:- 3.00 PM. TO 5.30 PM.

Day & Date	Paper Code	Subject
Wednesday 21-06-2023	414441	Information and Storage Retrieval
Thursday 22-06-2023	414442	Software Project Management
Friday 23-06-2023	414443	Deep Learning
Saturday 24-06-2023	414444 A	(ELECTIVE - III) Mobile Computing
	414444 B	(ELECTIVE - III) High Performance Computing
	414444 C	(ELECTIVE - III) Multimedia Technology
	414444 D	(ELECTIVE - III) Smart Computing
Monday 26-06-2023	414445 A	(ELECTIVE - IV) Bioinformatics
	414445 B	(ELECTIVE - IV) Introduction to DevOps
	414445 C	(ELECTIVE - IV) Computer Vision
	414445 D	(ELECTIVE - IV) Wireless Communications

SEMESTER - VIII

Time:- 3.00 PM. TO 5.30 PM.

Day & Date	Paper Code	Subject
Wednesday 07-06-2023	414450	Distributed Systems
Wednesday 14-06-2023	414451 A	(ELECTIVE - V) Software Defined Networks
	414451 B	(ELECTIVE - V) Social Computing
	414451 C	(ELECTIVE - V) Natural Language Processing
	414451 D	(ELECTIVE - V) Soft Computing
	414451 E	(ELECTIVE - V) Game Engineering
Friday 16-06-2023	414452 A	(ELECTIVE - VI) Ethical Hacking and Security
	414452 B	(ELECTIVE - VI) Augmented and Virtual Reality
	414452 C	(ELECTIVE - VI) Business Analytics and Intelligence
	414452 D	(ELECTIVE - VI) Blockchain Technology

B.E. MECHANICAL

SEMESTER - VII

Time:- 3.00 PM. TO 5.30 PM.

Day & Date	Paper Code	Subject
Wednesday 21-06-2023	402041	Heating Ventilation Air-Conditioning and Refrigeration
Thursday 22-06-2023	402042	Dynamics of Machinery
Friday 23-06-2023	402043	Turbomachinery * **Time:- 3.00 PM. TO 5.00 PM**
Saturday 24-06-2023	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
Monday 26-06-2023	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:- **3.00 PM. TO 5.30 PM.**

Day & Date	Paper Code	Subject
Wednesday 07-06-2023	402048	Computer Integrated Manufacturing
Friday 09-06-2023	402049	Energy Engineering
Wednesday 14-06-2023	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
Friday 16-06-2023	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

B.E. HONORS/MINORS

SEMESTER - VII

Time:- **3.00 PM. TO 5.30 PM.**

Day & Date	Paper Code	Subject
	401301	Work Method Statement Making
	401401	Traffic and Transportation Planning
	402014 MJ	Additive Manufacturing System Design
	402024 MJ	Electrical Energy Systems
	302034 MJ	Modelling and Simulation of EHV
	302044 MJ	System modelling and simulation
	404181 HR	Industrial Robotics & Automation
Tuesday 27-06-2023	404181 HBCT	Smart Contracts & Cryptocurrency
	408214	Sustainable Packaging
	410301	Machine Learning
	410401	Internet of Things and Embedded Security
	410501	Machine Learning and Data Science
	410601	Machine Learning for Internet of Things
	410701	Virtual Reality in Game Development

B.E. HONORS/MINORS

SEMESTER - VIII

Time:- 3.00 PM. TO 5.30 PM.

Day & Date	Paper Code	Subject
	401303	Tunnel Engineering
	401403	Land Use and Land Cover
	402016 MJ	3D Printing Applications & Entrepreneurship
	402026 MJ	Sustainable Energy Conversion Systems
	302036 MJ	e-Vehicle Standards, Charging & Safety
	302046 MJ	Systems Engineering Management
	404183 HR	Artificial Intelligence in Robotics
Monday 19-06-2023	404183 HBCT	Block Chain Solutions
	408216	Brand and Packaging Management
	410303	Soft Computing and Deep Learning
	410403	Information Systems Management
	410503	Artificial Intelligence for Big Data Analytics
	410603	Internet of Things Security
	410703	Application Development using Augmented Reality and Virtual Reality

Ganeshkhind, Pune - 411 007

Ref.No/XCT: 391

Date:09/05/2023   **Director,**
                                                         Board of Examinations and Evaluation