

SAVITRIBAI PHULE PUNE UNIVERSITY

(Formerly University of Pune)



EXAMINATION CIRCULAR NO. 20 OF. 2022

BACHELOR OF ENGINEERING (2015 PATTERN)

Examination of SUMMER-2022

(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.

COMPUTER

SEM-II

Day & Date	2015 Course Time-2.00 PM To 04.30 PM (Additional 15 Minutes per hour)
Monday 20/06/2022	Machine Learning (410250)
Thursday 23/06/2022	Information and Cyber Security (410251)
Monday 27/06/2022	ELECTIVE-III Advanced Digital Signal Processing (410252A)
	ELECTIVE-III Compilers (410252B)
	ELECTIVE-III Embedded and Real Time Operating Systems (410252C)
	ELECTIVE-III Soft Computing and Optimization Algorithms (410252D)
Thursday 30/06/2022	ELECTIVE-IV Software Defined Networks (410253A)
	ELECTIVE-IV Human Computer Interface (410253B)
	ELECTIVE-IV Cloud Computing (410253C)
	ELECTIVE-IV Business Intelligence (410253DA)
	ELECTIVE-IV Enterprise Resource Planning (410253DB)
	OPEN ELECTIVE Big Data & Data Analytics (410253DC)

SEM-I

Day & Date	2015 Course Time-2.00 PM To 04.30 PM (Additional 15 Minutes per hour)
Tuesday 21/06/2022	High Performance Computing (410241)
Friday 24/06/2022	Artificial Intelligence & Robotics (410242)
Tuesday 28/06/2022	Data Analysis (410243)
Friday 01/07/2022	ELECTIVE-I Digital Signal Processing (410244A)
	ELECTIVE-I Software Architecture & Design (410244B)
	ELECTIVE-I Pervasive & Ubiquitous Computing (410244C)
	ELECTIVE-I Data Mining & Warehousing (410244D)
Tuesday 05/07/2022	ELECTIVE-II Distributed Systems (410245A)
	ELECTIVE-II Software Testing & Quality Assurance (410245B)
	ELECTIVE-II Operation Research (410245C)
	ELECTIVE-II Mobile Communication (410245D)

ELECTRONICS & TELECOMMUNICATION

SEM-II

Day & Date	2015 Course Time-2.00 PM To 04.30 PM (Additional 15 Minutes per hour)
Monday 20/06/2022	Mobile Communication (404189)
Thursday 23/06/2022	Broadband Communication Systems (404190)
Monday 27/06/2022	ELECTIVE-III Machine Learning (404191A)
	ELECTIVE-III PLC s and Automation (404191B)
	ELECTIVE-III Audio and Speech Processing (404191C)
	ELECTIVE-III Software Defined Radio (404191D)
	ELECTIVE-III Audio Video Engineering (404191E)
Thursday 30/06/2022	ELECTIVE-IV Robotics (404192A)
	ELECTIVE-IV Biomedical Electronics (404192B)
	ELECTIVE-IV Wireless Sensor Networks (404192C)
	ELECTIVE-IV Renewable Energy Systems (404192D)
	OPEN ELECTIVE Advanced Automotive Electronics (404192DA)
	OPEN ELECTIVE Industrial Internet of Things (404192DB)
	OPEN ELECTIVE Programmable System on Chip (404192DC)
	OPEN ELECTIVE Data Science & Analytics (404192DD)

SEM-I

Day & Date	2015 Course Time-2.00 PM To 04.30 PM (Additional 15 Minutes per hour)
Tuesday 21/06/2022	VLSI Design & Technology (404181)
Friday 24/06/2022	Computer Networks & Security (404182)
Tuesday 28/06/2022	Radiation & Microwave Techniques (404183)
Friday 01/07/2022	ELECTIVE-I Digital Image video Processing (404184A)
	ELECTIVE-I Industrial Drives & Control (404184B)
	ELECTIVE-I Embedded System & RTOS (404184C)
	ELECTIVE-I Internet of Things (404184D)
Tuesday 05/07/2022	ELECTIVE-II Wavelets (412185A)
	ELECTIVE-II Electronics Product Design (412185B)
	ELECTIVE-II Optimization Techniques (412185C)
	ELECTIVE-II Artificial Intelligence (412185D)
	ELECTIVE-II Electronics in Agriculture (412185E)

INFORMATION TECHNOLOGY

SEM-II

Day & Date	2015 Course Time-02.00 PM To 04.30 PM (Additional 15 Minutes per hour)
Monday 20/06/2022	Distributed Computing System (414462)
Thursday 23/06/2022	Ubiquitous Computing (414463)
Monday 27/06/2022	ELECTIVE-III Internet of Things (IoT) (414464A)
	ELECTIVE-III Information storage and retrieval (414464B)
	ELECTIVE-III Multimedia Techniques (414464C)
	ELECTIVE-III Internet and Web Programming (414464D)
	ELECTIVE-III Computational Optimization (414464E)
Thursday 30/06/2022	ELECTIVE-IV Rural Technologies and Community Development (414465A)
	ELECTIVE-IV Parallel Computing (414465B)
	ELECTIVE-IV Computer Vision (414465C)
	ELECTIVE-IV Social Media Analytics (414465D)

SEM-I

Day & Date	2015 Course Time-2.00 PM To 04.30 PM (Additional 15 Minutes per hour)
Tuesday 21/06/2022	Information & Cyber Security (414453)
Friday 24/06/2022	Machine Learning & Applications (414454)
Tuesday 28/06/2022	Software Design & Modeling (414455)
Friday 01/07/2022	ELECTIVE-I Wireless Communications (414456A)
	ELECTIVE-I Natural Language Processing (414456B)
	ELECTIVE-I Usability Engineering (414456C)
	ELECTIVE-I Multicore & Concurrent Systems (414456D)
	ELECTIVE-I Business Analytics & Intelligence (414456E)
Tuesday 05/07/2022	ELECTIVE-II Software Defined Networks (414457A)
	ELECTIVE-II Soft Computing (414457B)
	ELECTIVE-II Software Testing & Quality Assurance (414457C)
	ELECTIVE-II Compiler Construction (414457D)
	ELECTIVE-II Gamification (414457E)

INSTRUMENTATION & CONTROL

SEM-II

Day & Date	2015 Course Time-2.00 PM To 04.30 PM (Additional 15 Minutes per hour)
Monday 20/06/2022	Process Instrumentation (406268)
Thursday 23/06/2022	Industrial Automation (406269)
Monday 27/06/2022	ELECTIVE-III Building Automation (406270A)
	ELECTIVE-III Robotics and Automation (406270B)
	ELECTIVE-III Environmental Instrumentation (406270C)
	ELECTIVE-III Digital Image Processing (406270D)
	ELECTIVE-III Process Modelling and Optimization (406270E)
Thursday 30/06/2022	ELECTIVE-IV Reliability Engineering (406271A)
	ELECTIVE-IV Renewable Energy Systems (406271B)
	ELECTIVE-IV Instrumentation in Agriculture and Food Industries (406271C)
	ELECTIVE-IV Smart Material and Systems (406271D)

SEM-I

Day & Date	2015 Course Time-2.00 PM To 04.30 PM (Additional 15 Minutes per hour)
Tuesday 21/06/2022	Process Dynamics & Control (406261)
Friday 24/06/2022	Project Engineering & Management (406262)
Tuesday 28/06/2022	Computer Techniques & Applications (406263)
Friday 01/07/2022	ELECTIVE-I Industrial Internet of Things (406264A)
	ELECTIVE-I Electrical Drives (406264B)
	ELECTIVE-I Advanced Digital Signal Processing (406264C)
	ELECTIVE-I Advanced Bio-Medical Instrumentation (406264D)
	ELECTIVE-I Digital Control Systems (406264E)
Tuesday 05/07/2022	ELECTIVE-II Smart & Wireless Instrumentation (406265A)
	ELECTIVE-II Instrumentation & Control for Power Plants (406265B)
	ELECTIVE-II Automotive Instrumentation (406265C)
	ELECTIVE-II Opto-Electronics Instrumentation (406265D)
	ELECTIVE-II Soft Computing (406265E)

MECHANICAL

SEM-II

Day & Date	2015 Course Time-2.00 PM To 04.30 PM (Additional 15 Minutes per hour)
Monday 20/06/2022	Energy Engineering (402047)
Thursday 23/06/2022	* Mechanical System Design (402048) 2.00 PM To 05.00 PM
Monday 27/06/2022	ELECTIVE-III Tribology (402049A)
	ELECTIVE-III Industrial Engineering (402049B)
	ELECTIVE-III Robotics (402049C)
Thursday 30/06/2022	ELECTIVE-IV Advanced Manufacturing Processes (402050A)
	ELECTIVE-IV Solar & Wind Energy (402050B)
	ELECTIVE-IV Product Design and Development (402050C)

NOTE:- * ***Please Note The Timing***

SEM-I

Day & Date	2015 Course Time-2.00 PM To 04.30 PM (Additional 15 Minutes per hour)
Tuesday 21/06/2022	@ Refrigeration and Air Conditioning (302049)
	Hydraulics & Pneumatics (402041)
Friday 24/06/2022	CAD/CAM Automation (402042)
Tuesday 28/06/2022	Dynamics of Machinery (402043)
Friday 01/07/2022	ELECTIVE-I Finite Element Analysis (402044A)
	ELECTIVE-I Computational Fluid Dynamics (402044B)
	ELECTIVE-I Heating Ventilation & Air Conditioning (402044C)
Tuesday 05/07/2022	ELECTIVE-II Automobile Engineering (402045A)
	ELECTIVE-II Operation Research (402045B)
	ELECTIVE-II Energy Audit & Management (402045C)

NOTE: - @ The Students who have not studied the subject Refrigeration & Air Conditioning in T.E. 2012 pattern and who got admitted in B.E. 2015 pattern.