

# SAVITRIBAI PHULE PUNE UNIVERSITY

(Formerly University of Pune)



**EXAMINATION CIRCULAR NO. 46 OF. 2019**

**BACHELOR OF ENGINEERING (2012 & 2015 COURSE)**

**INSEM-II Examination of MARCH-2019**

## **INSTRUCTIONS FOR CANDIDATES**

- Candidates are required to be present at the examination centre, THIRTY MINUTES before the time fixed for paper.
- Candidates are forbidden from taking any material into the examination hall, that can be used for malpractice at the time of examination.
- 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.
- 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.
- Candidates are requested to note the Day, Date and Time of every Paper on every day.
- Candidates are permitted to use stencils at the time of examination.
- Candidates appearing for the examinations are expected to provide themselves with Side- rules.
- 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. 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 Calculator of Pocket-size is allowed. The exchange of Calculators is not allowed.
- The written examination will be conducted in the following order.

# COMPUTER

## SEM-II

	2015 Course TIME-02.00 PM To 03.00 PM	2012 Course TIME-02.00 PM To 03.00 PM
Day & Date	Subject	Subject
Monday 11/03/2019	Machine Learning (410250)	Software Design Methodology And Testing (410449)
Tuesday 12/03/2019	Information and Cyber Security (410251)	High Performance Computing (410450)
Wednesday 13/03/2019	<b>ELECTIVE-III</b> Advanced Digital Signal Processing (410252A)	<b>ELECTIVE-III</b> Mobile Computing (410451A)
	<b>ELECTIVE-III</b> Compilers (410252B)	<b>ELECTIVE-III</b> Web Technology (410451B)
	<b>ELECTIVE-III</b> Embedded and Real Time Operating Systems (410252C)	<b>ELECTIVE-III</b> Cloud Computing (410451C)
	<b>ELECTIVE-III</b> Soft Computing and Optimization Algorithms (410252D)	<b>ELECTIVE-III</b> Cyber Security (410451D)
Thursday 14/03/2019	<b>ELECTIVE-IV</b> Software Defined Networks (410253A)	<b>ELECTIVE-IV</b> Business Analytic And Intelligence (410452A)
	<b>ELECTIVE-IV</b> Human Computer Interface (410253B)	<b>ELECTIVE-IV</b> Operations Research For Algorithms In Scientific Applications (410452B)
	<b>ELECTIVE-IV</b> Cloud Computing (410253C)	<b>ELECTIVE-IV</b> Mobile Applications (410452C)
	<b>OPEN ELECTIVE</b> Business Intelligence (410253DA)	<b>OPEN ELECTIVE</b> Unified Communications and Contact center Applications (410452DA)
	<b>OPEN ELECTIVE</b> Enterprise Resource Planning (410253DB)	<b>OPEN ELECTIVE</b> Programming Paradigms for Complex Problems –case studies in Python (410452DB)
		<b>OPEN ELECTIVE</b> Concurrency on Open Source Systems (410452DC)
		<b>OPEN ELECTIVE</b> Fundamentals of Software Defined Network (410452DD)
		<b>OPEN ELECTIVE</b> Big Data and Data Analytics (410452DE)

# ELECTRONICS & TELECOMMUNICATION

## SEM-II

	2015 Course TIME-02.00 PM To 03.00 PM	2012 Course TIME-02.00 PM To 03.00 PM
Day & Date	Subject	Subject
Monday 11/03/2019	Mobile Communication (404189)	Mobile Communication (404189)
Tuesday 12/03/2019	Broadband Communication Systems (404190)	Broadband Communication Systems (404190)
Wednesday 13/03/2019	<b>ELECTIVE-III</b> Machine Learning (404191A)	<b>ELECTIVE-III</b> Speech & Audio Signal Processing (404191A)
	<b>ELECTIVE-III</b> PLC and Automation (404191B)	<b>ELECTIVE-III</b> RF Circuit Design (404191B)
	<b>ELECTIVE-III</b> Audio and Speech Processing (404191C)	<b>ELECTIVE-III</b> Audio Video Engineering (404191C)
	<b>ELECTIVE-III</b> Software Defined Radio (404191D)	<b>ELECTIVE-III</b> Soft Computing (404191D)
	<b>ELECTIVE-III</b> Audio Video Engineering (404191E)	
Thursday 14/03/2019	<b>ELECTIVE-IV</b> Robotics (404192A)	<b>ELECTIVE-IV</b> Biomedical Signal Processing (404192A)
	<b>ELECTIVE-IV</b> Biomedical Electronics (404192B)	<b>ELECTIVE-IV</b> Nano Electronics & MEMS (404192B)
	<b>ELECTIVE-IV</b> Wireless Sensor Networks (404192C)	<b>ELECTIVE-IV</b> Detection & Estimation Theory (404192C)
	<b>ELECTIVE-IV</b> Renewable Energy Systems (404192D)	<b>ELECTIVE-IV</b> Wireless Networks (404192D)
		<b>OPEN ELECTIVE</b> Advanced Automotive Electronics (404192EA)
		<b>OPEN ELECTIVE</b> Unified Communications and Contact center Applications (404192EB)
		<b>OPEN ELECTIVE</b> Business Analytic And Intelligence (404192EC)
		<b>OPEN ELECTIVE</b> Data Science and Analytics (404192ED)
	<b>OPEN ELECTIVE</b> Industrial Internet of Things (404192EE)	

# INFORMATION TECHNOLOGY

## SEM-II

	2015 Course TIME-02.00 PM To 03.00 PM	2012 Course TIME-02.00 PM To 03.00 PM
Day & Date	Subject	Subject
Monday 11/03/2019	Distributed Computing System (414462)	Distributed System (414461)
Tuesday 12/03/2019	Ubiquitous Computing (414463)	Advanced Databases (414462)
Wednesday 13/03/2019	<b>ELECTIVE-III</b> Internet Of Things (414464A)	<b>ELECTIVE-III</b> Mobile Computing (414463A)
	<b>ELECTIVE-III</b> Information Storage And Retrieval (414464B)	<b>ELECTIVE-III</b> Advanced Graphics And Animation (414463B)
	<b>ELECTIVE-III</b> Multimedia Techniques (414464C)	<b>ELECTIVE-III</b> Information Storage And Retrieval (414463C)
	<b>ELECTIVE-III</b> Internet and Web Programming (414464D)	<b>ELECTIVE-III</b> IT Enabled Services (414463D)
	<b>ELECTIVE-III</b> Computational Optimization (414464E)	<b>ELECTIVE-III</b> Advanced Computer Networks (414463E)
Thursday 14/03/2019	<b>ELECTIVE-IV</b> Rural Technologies and Community Development (414465A)	<b>ELECTIVE-IV</b> Bio-Informatics (414464A)
	<b>ELECTIVE-IV</b> Parallel Computing (414465B)	<b>ELECTIVE-IV</b> Real Time And Embedded Systems (414464B)
	<b>ELECTIVE-IV</b> Computer Vision (414465C)	<b>ELECTIVE-IV</b> Green IT-Principles And Practices (414464C)
	<b>ELECTIVE-IV</b> Social Media Analytics (414465D)	<b>ELECTIVE-IV</b> Internet Of Things (414464D)
		<b>OPEN ELECTIVE</b> Unified Communications and Contact center Applications (414464E)

# MECHANICAL

## SEM-II

	2015 Course TIME-02.00 PM To 03.00 PM	2012 Course TIME-02.00 PM To 03.00 PM
Day & Date	Subject	Subject
Monday 11/03/2019	Energy Engineering (402047)	Power Plant Engineering (402047)
Tuesday 12/03/2019	*Mechanical System Design (402048) <b>*TIME-2.00 PM To 03.30 PM</b>	*Mechanical System Design (402048) <b>*TIME-2.00 PM To 03.30 PM</b>
Wednesday 13/03/2019	<b>ELECTIVE-III</b> Tribology (402049A)	<b>ELECTIVE-III</b> Refrigeration And Air Conditioning Equipment Design (402049A)
	<b>ELECTIVE-III</b> Industrial Engineering (402049B)	<b>ELECTIVE-III</b> Robotics (402049B)
	<b>ELECTIVE-III</b> Robotics (402049C)	<b>ELECTIVE-III</b> Industrial Engineering (402049C)
		<b>ELECTIVE-III (OPEN ELECTIVE)</b> Product Lifecycle Management (402049DA)
		<b>ELECTIVE-III (OPEN ELECTIVE)</b> Automobile Engineering (402049DB)
		<b>ELECTIVE-III (OPEN ELECTIVE)</b> Steam Engineering and Energy Conservations (402049DC)
Thursday 14/03/2019	<b>ELECTIVE-IV</b> Advanced Manufacturing Processes (402050A)	<b>ELECTIVE-IV</b> Computational Fluid Dynamics (402050A)
	<b>ELECTIVE-IV</b> Solar & Wind Energy (402050B)	<b>ELECTIVE-IV</b> Finite Element Analysis (402050B)
	<b>ELECTIVE-IV</b> Product Design and Development (402050C)	<b>ELECTIVE-IV</b> Design Of Pumps Blowers And Compressors (402050C)

**NOTE:-**

*\*Please note the timing*