

# SAVITRIBAI PHULE PUNE UNIVERSITY

(Formerly University of Pune)



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Examination Circular No. 119 of 2015  
Programme of B.E. 2012 Course (All Branches) In Sem Examinations, AUGUST, 2015

## **INSTRUCTIONS FOR CANDIDATES**

1. Candidates are required to be present at examination centre fifteen minutes before the time fixed for the first paper and ten minutes before the time of each subsequent papers.
  2. Candidates are forbidden from taking any material into the examination hall that can be used for malpractice at the time of examination.
  3. No request for any special concession such as a change in time or any day fixed for the University Examination on religious or any other ground shall be granted.
  4. 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 programme.
  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 in **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.
  9. Use of non-programmable battery operated electronic Calculator of Pocket-size is allowed. The exchange of Calculators is not allowed.
  10. The Written Examination will be conducted in the following order:
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## **B.E. (CIVIL)**

**Time – 1.00 to 2.00 p.m.**

### **SEMESTER – I**

<b>Day &amp; Date</b>	<b>2012 Course</b>
<b>Monday, 10.08.2015</b>	Environmental Engineering – II (401001)
<b>Tuesday, 11.08.2015</b>	Transportation Engineering (401002)
<b>Wednesday, 12.08.2015</b>	Structural Design and Drawing –III (401003) (* Time - 1.00 to 2.30)
<b>Thursday, 13.08.2015</b>	<b><u>Elective – I ( 401004 )</u></b> a) Structural Design of Bridges b) System Approach in Civil Engineering c) Advanced Concrete Technology d) Architecture and Town Planning e) Advanced Engineering Geology with Rock Mechanics
<b>Friday, 14.08.2015</b>	<b><u>Elective – II (401005)</u></b> a) Matrix Methods of Structural Analysis b) Integrated Water Resources and Planning c) TQM & MIS in Civil Engineering d) Earthquake Engineering e) Advanced Geotechnical Engineering

**\* Please note the Timing**

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## **B.E. (MECHANICAL)**

**Time – 1.00 to 2.00 p.m.**

### **SEMESTER – I**

<b>Day &amp; Date</b>	<b>2012 Course</b>
<b>Monday, 10.08.2015</b>	Refrigeration and Air Conditioning (402041)
<b>Tuesday, 11.08.2015</b>	CAD/CAM Automation (402042)
<b>Wednesday, 12.08.2015</b>	Dynamics of Machinery (402043)
<b>Thursday, 13.08.2015</b>	<b><u>Elective – I (402044)</u></b> a) Energy Audit Management b) Tribology c) Reliability Engineering d) Machine Tool Design
<b>Friday, 14.08.2015</b>	<b><u>Elective – II (402045)</u></b> a) Gas Turbine Propulsion b) Product Design and Development c) Operation Research d) Advanced Manufacturing Processes

## **B.E. (MECHANICAL SANDWICH)**

**Time – 1.00 to 2.00 p.m.**

### **SEMESTER – I**

<b>Day &amp; Date</b>	<b>2012 Course</b>
Monday, 10.08.2015	-----
Tuesday, 11.08.2015	-----
Wednesday, 12.08.2015	-----
Thursday, 13.08.2015	Mechanical Vibrations (402066)
Friday, 14.08.2015	Industrial Hydraulics and Pneumatics (402067)

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## **B.E. (ELECTRICAL)**

**Time – 1.00 to 2.00 p.m.**

### **SEMESTER – I**

<b>Day &amp; Date</b>	<b>2012 Course</b>
Monday, 10.08.2015	Power System Operation and Control ( 403141)
Tuesday, 11.08.2015	PLC and SCADA Applications (403142)
Wednesday, 12.08.2015	Control System – II (403145)
Thursday, 13.08.2015	<b><u>Elective – I ( 403143)</u></b> a) Special Purpose Machines b) Power Quality c) Renewable Energy Systems d) Digital Signal Processing
Friday, 14.08.2015	<b><u>Elective – II (403144)</u></b> a) Restructuring and Deregulation b) Electromagnetic Fields c) EHV AC Transmission d) Introduction to Electrical Transportation Systems

## **B.E. (ELECTRONICS & TELECOMMUNICATIONS)**

**Time – 1.00 to 2.00 p.m.**

### **SEMESTER – I**

<b>Day &amp; Date</b>	<b>2012 Course</b>
<b>Monday, 10.08.2015</b>	VLSI Design & Technology (404181)
<b>Tuesday, 11.08.2015</b>	Computer Networks (404182)
<b>Wednesday, 12.08.2015</b>	Microwave Engineering ( 404183)
<b>Thursday, 13.08.2015</b>	<b><u>Elective – I (404184)</u></b> a) Digital Image Processing b) Embedded System and RTOS c) Software Defined Radio d) Industrial Drives and Control
<b>Friday, 14.08.2015</b>	<b><u>Elective – II -( 404185 )</u></b> a) Multi rate & Adaptive Signal Processing b) Electronic Product Design c) PLCs and Automation d) Artificial Intelligence

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## **B.E. (ELECTRONICS)**

**Time – 1.00 to 2.00 p.m.**

### **SEMESTER – I**

<b>Day &amp; Date</b>	<b>2012 Course</b>
<b>Monday, 10.08.2015</b>	VLSI Design (404201)
<b>Tuesday, 11.08.2015</b>	Electronics System Design (404202)
<b>Wednesday, 12.08.2015</b>	Advanced Power Electronics (404203)
<b>Thursday, 13.08.2015</b>	<b><u>Elective – I ( 404204)</u></b> a) Image Processing and Machine Vision b) Embedded Systems & RTOS c) Biomedical Instrumentation d) Advanced Measurement Systems
<b>Friday, 14.08.2015</b>	<b><u>Elective – II (404205)</u></b> a) DSP Processors b) Robotics and Automation c) Electronics in Agriculture d) Mobile Communication

## **B.E. (INFORMATION TECHNOLOGY)**

**Time – 1.00 to 2.00 p.m.**

### **SEMESTER – I**

<b>Day &amp; Date</b>	<b>2012 Course</b>
<b>Monday, 10.08.2015</b>	Information and Cyber Security ( 414453 )
<b>Tuesday, 11.08.2015</b>	Software Modeling and Design ( 414454)
<b>Wednesday, 12.08.2015</b>	Machine Learning (414455)
<b>Thursday, 13.08.2015</b>	<b><u>Elective – I ( 414456)</u></b> a) Soft Computing b) Usability Engineering c) Modern Compilers d) Parallel Algorithms and Design e) Cloud Computing
<b>Friday, 14.08.2015</b>	<b><u>Elective – II (414457)</u></b> a) Business Intelligence b) Service Oriented Architecture c) E& M Governance d) Geo Informatics Systems e) Natural Language Processing

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## **B.E. (COMPUTER ENGINEERING)**

**Time – 1.00 to 2.00 p.m.**

### **SEMESTER – I**

<b>Day &amp; Date</b>	<b>2012 Course</b>
<b>Monday, 10.08.2015</b>	Design & Analysis of Algorithms ( 410441 )
<b>Tuesday, 11.08.2015</b>	Principles of Modern Compiler Design ( 410442)
<b>Wednesday, 12.08.2015</b>	Smart System Design and Applications ( 410 443)
<b>Thursday, 13.08.2015</b>	<b><u>Elective – I ( 410444)</u></b> a) Image Processing b) Computer Network Design and Modeling, c) Advanced Computer Programming, d) Data Mining Techniques and Applications.
<b>Friday, 14.08.2015</b>	<b><u>Elective – II (410445)</u></b> a) Problem Solving with Gamification b) Pervasive Computing c) Embedded Security d) Multidisciplinary NLP

## **B.E. (CHEMICAL ENGINEERING)**

**Time – 1.00 to 2.00 p.m.**

### **SEMESTER – I**

<b>Day &amp; Date</b>	<b>2012 Course</b>
<b>Monday, 10.08.2015</b>	Process Dynamics and Control (409341)
<b>Tuesday, 11.08.2015</b>	Chemical Reaction Engineering II (409342)
<b>Wednesday, 12.08.2015</b>	Chemical Engineering Design II (409343)
<b>Thursday, 13.08.2015</b>	<b><u>Elective – I ( 409344)</u></b> a) Environmental Engineering b) Membrane Technology c) Corrosion Engineering d) Petroleum Refining
<b>Friday, 14.08.2015</b>	<b><u>Elective – II ( 409345)</u></b> a) Chemical Process Synthesis b) Industrial Management & Entrepreneurship c) Piping Design & Engineering d) Advance Separation Processes

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## **B.E. (INSTRUMENTATION & CONTROL ENGINEERING)**

**Time – 1.00 to 2.00 p.m.**

### **SEMESTER – I**

<b>Day &amp; Date</b>	<b>2012 Course</b>
<b>Monday, 10.08.2015</b>	Process Instrumentation - I (406261 )
<b>Tuesday, 11.08.2015</b>	Project Engineering & Management (406262)
<b>Wednesday, 12.08.2015</b>	Digital Control ( 406263 )
<b>Thursday, 13.08.2015</b>	<b><u>Elective – I ( 406264 )</u></b> a) Advanced Bio-Medical Instrumentation b) Building Automation - I c) Advanced Control Systems d) Advanced Sensors e) Advanced Digital Signal Processing
<b>Friday, 14.08.2015</b>	<b><u>Elective – II ( 406265 )</u></b> a) Opto- Electronics Instrumentation b) Environmental Instrumentation c) Robotics & Automation d) Sensor Networks e) Fault Detection and Diagnosis

## **B.E. (AUTOMOBILE ENGINEERING)**

**Time – 1.00 to 2.00 p.m.**

### **SEMESTER – I**

<b>Day &amp; Date</b>	<b>(2012 Course)</b>
<b>Monday, 10.08.2015</b>	Automotive Refrigeration and Air Conditioning (416488)
<b>Tuesday, 11.08.2015</b>	Automotive Chassis and Systems (416489)
<b>Wednesday, 12.08.2015</b>	Machine and Vehicle Dynamics (416490)
<b>Thursday, 13.08.2015</b>	<b><u>Elective – I (416491)</u></b> a) Fundamentals of Computational Fluid Dynamics b) Fundamentals of Finite Element Analysis c) CAE and Automation
<b>Friday, 14.08.2015</b>	<b><u>Elective – II (416492)</u></b> a) Hybrid and Fuel Cell Vehicle b) Automotive Materials c) Automotive Hydraulics and Pneumatics

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- 11.** Candidates are permitted to use the stencils at the time of examination.

Ganeshkhind, Pune-411007  
Ref. / XCT /1008  
Date: 28/07/2015

Dr. Ashok Chavan  
Controller of Examinations