SAVITRIBAI PHULE PUNE UNIVERSITY

(Formerly University of Pune)

Examination Circular No .269 of 2016
Revised Programme of B.E. 2012 Course (All Branches) In Sem Examinations,
AUGUST, 2016

Revised as on 08/08/2016

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 – 1.30 to 2.30 p.m.

SEMESTER – I

Day & Date	2012 Course
Monday, 22.08.2016	Environmental Engineering – II (401001)
Tuesday, 23.08.2016	Transportation Engineering (401002)
Wednesday, 24.08.2016	Structural Design and Drawing –III (401003) *(* Time - 1.30 to 3.00)*
Thursday, 25.08.2016	**Elective – I (401004)** 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
Friday, 26.08.2016	**Elective – II (401005)** 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 – 1.30 to 2.30 p.m.

SEMESTER – I

Day & Date	2012 Course
Monday, 22.08.2016	Refrigeration and Air Conditioning (402041)
Tuesday, 23.08.2016	CAD/CAM Automation (402042)
Wednesday, 24.08.2016	Dynamics of Machinery (402043)
Thursday, 25.08.2016	**Elective – I (402044)** a) Energy Audit Management b) Tribology c) Reliability Engineering d) Machine Tool Design
Friday, 26.08.2016	**Elective – II (402045)** a) Gas Turbine Propulsion b) Product Design and Development c) Operation Research d) Advanced Manufacturing Processes

B.E. (ELECTRICAL)
Time – 1.30 to 2.30 p.m.

SEMESTER – I

Day & Date	2012 Course
Monday, 22.08.2016	Power System Operation and Control (403141)
Tuesday, 23.08.2016	PLC and SCADA Applications (403142)
Wednesday, 24.08.2016	Control System – II (403145)
Thursday, 25.08.2016	**Elective – I (403143)** a) Special Purpose Machines b) Power Quality c) Renewable Energy Systems d) Digital Signal Processing
Friday, 26.08.2016	**Elective – II (403144)** a) Restructuring and Deregulation b) Electromagnetic Fields c) EHV AC Transmission d) Introduction to Electrical Transportation Systems

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B.E. (ELECTRONICS & TELECOMMUNICATIOINS)
Time – 1.30 to 2.30 p.m.

SEMESTER – I

Day & Date	2012 Course
Monday, 22.08.2016	VLSI Design & Technology (404181)
Tuesday, 23.08.2016	Computer Networks (404182)
Wednesday, 24.08.2016	Microwave Engineering (404183)
Thursday, 25.08.2016	**Elective – I (404184)** a) Digital Image Processing b) Embedded System and RTOS c) Software Defined Radio d) Industrial Drives and Control
Friday, 26.08.2016	**Elective – II -(404185)** 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 – 1.30 to 2.30 p.m.

SEMESTER – I

Day & Date	2012 Course
Monday, 22.08.2016	VLSI Design (404201)
Tuesday, 23.08.2016	Electronics System Design (404202)
Wednesday, 24.08.2016	Advanced Power Electronics (404203)
Thursday, 25.08.2016	**Elective – I (404204)** a) Image Processing and Machine Vision b) Embedded Systems & RTOS c) Biomedical Instrumentation d) Advanced Measurement Systems
Friday, 26.08.2016	**Elective – II (404205)** a) DSP Processors b) Robotics and Automation c) Electronics in Agriculture d) Mobile Communication

B.E. (INFORMATION TECHNOLOGY)
Time – 1.30 to 2.30 p.m.

SEMESTER – I

Day & Date	2012 Course
Monday, 22.08.2016	Information and Cyber Security (414453)
Tuesday, 23.08.2016	Software Modeling and Design (414454)
Wednesday, 24.08.2016	Machine Learning (414455)
Thursday, 25.08.2016	**Elective – I (414456**) a) Soft Computing b) Usability Engineering c) Modern Compilers d) Parallel Algorithms and Design e) Cloud Computing
Friday, 26.08.2016	**Elective – II (414457)** 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 – 1.30 to 2.30 p.m.

SEMESTER – I

Day & Date	2012 Course
Monday, 22.08.2016	Design & Analysis of Algorithms (410441)
Tuesday, 23.08.2016	Principles of Modern Compiler Design (410442)
Wednesday, 24.08.2016	Smart System Design and Applications (410 443)
Thursday, 25.08.2016	**Elective – I (410444)** a) Image Processing b) Computer Network Design and Modeling, c) Advanced Computer Programming, d) Data Mining Techniques and Applications.
Friday, 26.08.2016	**Elective – II (410445)** a) Problem Solving with Gamification b) Pervasive Computing c) Embedded Security d) Multidisciplinary NLP

B.E. (CHEMICAL ENGINEERING)
Time – 1.30 to 2.30 p.m.

SEMESTER – I

Day & Date	2012 Course
Monday, 22.08.2016	Process Dynamics and Control (409341)
Tuesday, 23.08.2016	Chemical Reaction Engineering II (409342)
Wednesday, 24.08.2016	Chemical Engineering Design II (409343)
Thursday, 25.08.2016	**Elective – I (409344)** a) Environmental Engineering b) Membrane Technology c) Corrosion Engineering d) Petroleum Refining
Friday, 26.08.2016	**Elective – II (409345)** 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 – 1.30 to 2.30 p.m.

SEMESTER – I

Day & Date	2012 Course
Monday, 22.08.2016	Process Instrumentation - I (406261)
Tuesday, 23.08.2016	Project Engineering & Management (406262)
Wednesday, 24.08.2016	Digital Control (406263)
Thursday, 25.08.2016	**Elective – I (406264)** a) Advanced Bio-Medical Instrumentation b) Building Automation - I c) Advanced Control Systems d) Advanced Sensors e) Advanced Digital Signal Processing
Friday, 26.08.2016	**Elective – II (406265)** a) Opto- Electronics Instrumentation b) Environmental Instrumentation c) Robotics & Automation d) Sensor Networks e) Fault Detection and Diagnosis

B.E. (AUTOMOBILE ENGINEERING)
Time – 1.30 to 2.30 p.m.

SEMESTER – I

Day & Date	(2012 Course)
Monday, 22.08.2016	Automotive Refrigeration and Air Conditioning (416488)
Tuesday, 23.08.2016	Automotive Chassis and Systems (416489)
Wednesday, 24.08.2016	Machine and Vehicle Dynamics (416490)
Thursday, 25.08.2016	**Elective – I (416491)** a) Fundamentals of Computational Fluid Dynamics b) Fundamentals of Finite Element Analysis c) CAE and Automation
Friday, 26.08.2016	**Elective – II (416492)** a) Hybrid and Fuel Cell Vehicle b) Automotive Materials c) Automotive Hydraulics and Pneumatics

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

Ganeshkhind, Pune-411007   Dr. Ashok Chavan
Ref. / XCT / 1093   Controller of Examinations
Date: 08/08/2016