

SAVITRIBAI PHULE PUNE UNIVERSITY

(Formerly University of Pune)



Examination Circular No . 137 of 2017
Programme of B.E. 2012 Course (All Branches) In Sem (SEM-I) Examinations,
AUGUST, 2017.

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 any 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 examination are expected to provide themselves with slide-rules. The exchange or loan of slide-rules, drawing instrument or other material in the examination hall is not permitted while the examination is in progress. Candidates must bring their own instruments and will not be allowed to borrow the same from each other under any circumstances.
 8. Use of non-programmable battery operated electronic calculator of pocket size is allowed. The exchange of calculator is not allowed.
 9. The Written Examination will be conducted in the following order:
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B.E.(CIVIL)

SEMESTER-I

Time – 1.30 to 2.30 p.m.

Day & Date	SUBJECT (2012 Course)
Tuesday, 08.08.2017	Environmental Engineering – II (401001)
Wednesday, 09.08.2017	Transportation Engineering (401002)
Thursday, 10.08.2017	Structural Design and Drawing –III (401003) (* Time - 1.30 to 3.00)
Friday, 11.08.2017	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
Saturday, 12.08.2017	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

B.E. (MECHANICAL)

SEMESTER-I

Time – 1.30 to 2.30 p.m.

Day & Date	SUBJECT (2012 Course)
Tuesday, 08.08.2017	Refrigeration and Air Conditioning (402041)
Wednesday, 09.08.2017	CAD/CAM Automation (402042)
Thursday, 10.08.2017	Dynamics of Machinery (402043)
Friday, 11.08.2017	Elective – I (402044) a) Energy Audit Management b) Tribology c) Reliability Engineering d) Machine Tool Design
Saturday, 12.08.2017	Elective – II (402045) a) Gas Turbine Propulsion b) Product Design and Development c) Operation Research d) Advanced Manufacturing Processes

B.E. (ELECTRICAL)

SEMESTER-I

Time – 1.30 to 2.30 p.m.

Day & Date	SUBJECT (2012 Course)
Tuesday, 08.08.2017	Power System Operation and Control (403141)
Wednesday, 09.08.2017	PLC and SCADA Applications (403142)
Thursday, 10.08.2017	Control System – II (403145)
Friday, 11.08.2017	<u>Elective – I (403143)</u> a) Special Purpose Machines b) Power Quality c) Renewable Energy Systems d) Digital Signal Processing
Saturday, 12.08.2017	<u>Elective – II (403144)</u> a) Restructuring and Deregulation b) Electromagnetic Fields c) EHV AC Transmission d) Introduction to Electrical Transportation Systems

B.E. (ELECTRONICS & TELECOMMUNICATIONS)

SEMESTER-I

Time – 1.30 to 2.30 p.m.

Day & Date	SUBJECT (2012 Course)
Tuesday, 08.08.2017	VLSI Design & Technology (404181)
Wednesday, 09.08.2017	Computer Networks (404182)
Thursday, 10.08.2017	Microwave Engineering (404183)
Friday, 11.08.2017	<u>Elective – I (404184)</u> a) Digital Image Processing b) Embedded System and RTOS c) Software Defined Radio d) Industrial Drives and Control
Saturday, 12.08.2017	<u>Elective – II -(404185)</u> a) Multi rate & Adaptive Signal Processing b) Electronic Product Design c) PLCs and Automation d) Artificial Intelligence

B.E. (ELECTRONICS)

SEMESTER-I

Time – 1.30 to 2.30 p.m.

Day & Date	SUBJECT (2012 Course)
Tuesday, 08.08.2017	VLSI Design (404201)
Wednesday, 09.08.2017	Electronics System Design (404202)
Thursday, 10.08.2017	Advanced Power Electronics (404203)
Friday, 11.08.2017	<u>Elective – I (404204)</u> a) Image Processing and Machine Vision b) Embedded Systems & RTOS c) Biomedical Instrumentation d) Advanced Measurement Systems
Saturday, 12.08.2017	<u>Elective – II (404205)</u> a) DSP Processors b) Robotics and Automation c) Electronics in Agriculture d) Mobile Communication

B.E. (INFORMATION TECHNOLOGY)

SEMESTER-I

Time – 1.30 to 2.30 p.m.

Day & Date	SUBJECT (2012 Course)
Tuesday, 08.08.2017	Information and Cyber Security (414453)
Wednesday, 09.08.2017	Software Modeling and Design (414454)
Thursday, 10.08.2017	Machine Learning (414455)
Friday, 11.08.2017	<u>Elective – I (414456)</u> a) Soft Computing b) Usability Engineering c) Modern Compilers d) Parallel Algorithms and Design e) Cloud Computing
Saturday, 12.08.2017	<u>Elective – II (414457)</u> a) Business Intelligence b) Service Oriented Architecture c) E& M Governance d) Geo Informatics Systems e) Natural Language Processing

B.E. (COMPUTER ENGINEERING)

SEMESTER-I

Time – 1.30 to 2.30 p.m.

Day & Date	SUBJECT (2012 Course)
Tuesday, 08.08.2017	Design & Analysis of Algorithms (410441)
Wednesday, 09.08.2017	Principles of Modern Compiler Design (410442)
Thursday, 10.08.2017	Smart System Design and Applications (410 443)
Friday, 11.08.2017	Elective – I (410444) a) Image Processing b) Computer Network Design and Modeling, c) Advanced Computer Programming, d) Data Mining Techniques and Applications.
Saturday, 12.08.2017	Elective – II (410445) a) Problem Solving with Gamification b) Pervasive Computing c) Embedded Security d) Multidisciplinary NLP

B.E. (CHEMICAL ENGINEERING)

SEMESTER-I

Time – 1.30 to 2.30 p.m.

Day & Date	SUBJECT (2012 Course)
Tuesday, 08.08.2017	Process Dynamics and Control (409341)
Wednesday, 09.08.2017	Chemical Reaction Engineering II (409342)
Thursday, 10.08.2017	Chemical Engineering Design II (409343)
Friday, 11.08.2017	Elective – I (409344) a) Environmental Engineering b) Membrane Technology c) Corrosion Engineering d) Petroleum Refining
Saturday, 12.08.2017	Elective – II (409345) a) Chemical Process Synthesis b) Industrial Management & Entrepreneurship c) Piping Design & Engineering d) Advance Separation Processes

B.E. (INSTRUMENTATION & CONTROL ENGINEERING)

SEMESTER-I

Time – 1.30 to 2.30 p.m.

Day & Date	SUBJECT (2012 Course)
Tuesday, 08.08.2017	Process Instrumentation - I (406261)
Wednesday, 09.08.2017	Project Engineering & Management (406262)
Thursday, 10.08.2017	Digital Control (406263)
Friday, 11.08.2017	Elective – I (406264) a) Advanced Bio-Medical Instrumentation b) Building Automation - I c) Advanced Control Systems d) Advanced Sensors e) Advanced Digital Signal Processing
Saturday, 12.08.2017	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)

SEMESTER-I

Time – 1.30 to 2.30 p.m.

Day & Date	SUBJECT (2012 Course)
Tuesday, 08.08.2017	Automotive Refrigeration and Air Conditioning (416488)
Wednesday, 09.08.2017	Automotive Chassis and Systems (416489)
Thursday, 10.08.2017	Machine and Vehicle Dynamics (416490)
Friday, 11.08.2017	Elective – I (416491) a) Fundamentals of Computational Fluid Dynamics b) Fundamentals of Finite Element Analysis c) CAE and Automation
Saturday, 12.08.2017	Elective – II (416492) a) Hybrid and Fuel Cell Vehicle b) Automotive Materials c) Automotive Hydraulics and Pneumatics