

**SAVITRIBAI PHULE PUNE UNIVERSITY**  
**(Formerly University of Pune)**



**EXAMINATION CIRCULAR NO.479 OF. 2019**

**M.E.ENGINEERING (2013 Pattern)**

**Examination of OCT/NOV 2019**

**(Under Faculty of SCIENCE AND TECHNOLOGY : B)ENGINEERING)**

**INSTRUCTIONS FOR CANDIDATES**

1. Candidates are required to be present at the examination centre, THIRTY MINUTES before the time fixed for paper.
2. Candidates are forbidden from taking any material into the examination hall, that can be used for malpractice at the time of examination.
3. 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.
4. 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.
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 is Not Permitted while the examinations are in process.
9. Candidates must bring their own instruments and will not be allowed to borrow from each other under any circumstances.
10. Use of non-programmable battery operated electronic Calculator of Pocket-size is allowed. The exchange of Calculators is not allowed.
11. **Candidates of 2008 Pattern will have to appear for equivalent subject mention in 2013 pattern & 2017 pattern time table. This time table is of the subject of 2008 pattern for which equivalence is not given in 2013 pattern.**
12. The written examination will be conducted in the following order.

**(CIVIL) (ENVIRONMENTAL ENGINEERING)**

**SEM-I**

	<b>2013 Course TIME-2.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Saturday 21/12/2019	ELECTIVE - I (501064)

**(CIVIL) (HYDRAULICS ENGINEERING)****SEM-I**

	<b>2013 Course</b> <b>TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Saturday 21/12/2019	ELECTIVE - I (501044)

**SEM-II**

	<b>2013 Course</b> <b>TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Friday 20/12/2019	ELECTIVE - II (501049)

**SEM-III**

	<b>2013 Course</b> <b>TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 18/12/2019	ELECTIVE - III (601054)

**(CIVIL) (STRUCTURE ENGINEERING)****SEM-I**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Saturday 21/12/2019	ELECTIVE-I (501005)

**SEM-II**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Friday 20/12/2019	ELECTIVE-II (501010)

**SEM-III**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 18/12/2019	DESIGN OF RCC & PRESTRESSED CEMENT CONCRETE BRIDGES (601014)
Thursday 19/12/2019	ELECTIVE-III (601015)

**(CIVIL) (WATER RESOURCES & ENVIRONMENTAL ENGINEERING)****SEM-I**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Saturday 21/12/2019	ELECTIVE-I (501084)

**SEM-II**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 11/12/2019	ENVIRONMENTAL HYDRAULICS & ENVIRONMENTAL STRUCTURES (501086)
Friday 20/12/2019	ELECTIVE-II (501089)

**SEM-III**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 18/12/2019	DAM ENGINEERING (601093)
Thursday 19/12/2019	ELECTIVE-III (601094)

**CHEMICAL ENGINEERING**

**SEM-I**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 12/12/2019	PROCESS OPTIMIZATION (509102)

**COMPUTER (COMPUTER ENGINEERING)****SEM-I**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Monday 09/12/2019	APPLIED ALGORITHMS (510101)
Thursday 12/12/2019	HIGH PERFORMANCE DATABASES (510102)
Monday 16/12/2019	ADVANCE COMPUTER ARCHITECTURE (510103)
Thursday 19/12/2019	RESEARCH METHODOLOGY (510104)
Saturday 21/12/2019	ELECTIVE - I (510105)

**SEM-II**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Tuesday 10/12/2019	OPERATING SYSTEM DESIGN (510107)
Friday 13/12/2019	SOFTWARE DESIGN & ARCHITECTURE (510108)
Tuesday 17/12/2019	ADVANCED COMPUTER NETWORK (510109)
Friday 20/12/2019	ELECTIVE - II (510110)

**SEM-III**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 11/12/2019	ADVANCED STORAGES SYSTEMS & INFRASTRUCTURE MANAGEMENT (610101)
Saturday 14/12/2019	ADVANCED UNIX PROGRAMMING (610102)
Wednesday 18/12/2019	ELECTIVE - III (610103)

**COMPUTER (COMPUTER NETWORKS)****SEM-I**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Monday 09/12/2019	ADVANCED NETWORK ALGORITHMS (510201)
Thursday 12/12/2019	WIRELESS COMMUNICATION (510202)
Monday 16/12/2019	ADVANCED DATABASES (510203)
Thursday 19/12/2019	RESEARCH METHODOLOGY (510204)
Saturday 21/12/2019	ELECTIVE - I (510205)

**SEM-II**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Tuesday 10/12/2019	NETWORK DESIGN, MODELLING AND ANALYSIS (510207)
Friday 13/12/2019	DISTRIBUTED SYSTEMS (510208)
Tuesday 17/12/2019	HIGH PERFORMANCE NETWORK (510209)
Friday 20/12/2019	ELECTIVE - II (510210)

**SEM-III**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 11/12/2019	ADVANCED TCP/IP (610201)
Saturday 14/12/2019	SYSTEM OPERATION & MAINTENANCE (610202)
Wednesday 18/12/2019	ELECTIVE - III (610203)



**ELECTRICAL (CONTROL SYSTEMS)**

**SEM-I**

	<b>2013 Course</b> <b>TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Friday 13/12/2019	PROCESS CONTROL MANAGEMENT (503102)

**SEM-III**

	<b>2013 Course</b> <b>TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 12/12/2019	COMPUTER AIDED CONTROL SYSTEM DESIGN (603102)

**ELECTRICAL (POWER ELECTRONICS & DRIVES)****SEM-I**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Monday 09/12/2019	POWER CONVERTERS (503303)

**SEM-II**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Friday 13/12/2019	DESIGN OF POWER ELECTRONICS SYSTEM (503308)
Tuesday 17/12/2019	ADVANCE CONTROL SYSTEM (503309)

**SEM-III**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 11/12/2019	POWER ELECTRONICS APPLICATIONS (603301)
Monday 16/12/2019	POWER ELECTRONICS IN SMART GRID (603302)

**ELECTRONICS (DIGITAL SYSTEM)****SEM-I**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Monday 09/12/2019	MICROELECTRONICS (504101)
Thursday 12/12/2019	DIGITAL SIGNAL PROCESSING ARCHITECTURES (504102)
Saturday 21/12/2019	ELECTIVE - I (504105)

**SEM-II**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Tuesday 10/12/2019	DESIGN FOR TESTABILIGY (504107)
Wednesday 11/12/2019	RANDOM SIGNALS AND PROCESSES (504109)
Friday 20/12/2019	ELECTIVE - II (504110)

**SEM-III**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 18/12/2019	ELECTIVE - III (604103)

**ELECTRONICS & TELECOMMUNICATION (COMMUNICATION NETWORK)**

**SEM-III**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 11/12/2019	MOBILE COMPUTING (604501)
Saturday 14/12/2019	DIGITAL COMMUNICATION RECEIVERS (604502)

**ELECTRONICS & TELECOMMUNICATION (MICROWAVE)**

**SEM-II**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Friday 20/12/2019	ELECTIVE - II (504310)

**SEM-III**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 18/12/2019	ELECTIVE - III (604103)

**ELECTRONICS & TELECOMMUNICATION (SIGNAL PROCESSING)****SEM-I**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Monday 09/12/2019	IMAGE PROCESSING & ANALYSIS (504401)
Thursday 12/12/2019	SIGNAL PROCESSING TECHNIQUES (504402)
Saturday 21/12/2019	ELECTIVE - I (504405)

**SEM-II**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Friday 20/12/2019	ELECTIVE - II (504410)

**SEM-III**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 18/12/2019	ELECTIVE - III (604403)

**ELECTRONICS & TELECOMMUNICATION (VLSI & EMBEDDED SYSTEM)****SEM-I**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Saturday 21/12/2019	ELECTIVE - I (504205)

**SEM-II**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 11/12/2019	EMBEDDED SIGNAL PROCESSORS (504209)
Friday 20/12/2019	ELECTIVE - II (504210)

**SEM-III**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Tuesday 17/12/2019	FAULT TOLERANT SYSTEMS (604201)
Wednesday 18/12/2019	ELECTIVE - III (604103)

**INFORMATION TECHNOLOGY****SEM-I**

	<b>2013 Course</b> <b>TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Saturday 21/12/2019	ELECTIVE - I (514405)

**SEM-II**

	<b>2013 Course</b> <b>TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Thursday 12/12/2019	ADVANCE COMPUTER ARCHITECTURE (514409)

**SEM-III**

	<b>2013 Course</b> <b>TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Tuesday 17/12/2019	NETWORK PROGRAMMING (514414)
Wednesday 18/12/2019	OPEN ELECTIVE (514415)



**INSTRUMENTATION & CONTROL (BIOMEDICAL)****SEM-I**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Monday 09/12/2019	MATHEMATICAL METHODS IN INSTRUMENTATION (506101)
Thursday 12/12/2019	BIO-SIGNAL PROCESSING (506202)
Monday 16/12/2019	ANALYTICAL INSTRUMENTATION (506203)
Thursday 19/12/2019	RESEARCH METHODOLOGY (506104)
Saturday 21/12/2019	ELECTIVE - I (506105)

**SEM-II**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Tuesday 10/12/2019	TRANSDUCER DESIGN (506207)
Friday 13/12/2019	DIGITAL IMAGE PROCESSING (506208)
Tuesday 17/12/2019	COMMUNICATION PROTOCOLS FOR INSTRUMENTATION (506209)
Friday 20/12/2019	ELECTIVE - II (506210)

**SEM-III**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 11/12/2019	MEDICAL IMAGING TECHNIQUES (606201)
Saturday 14/12/2019	ADVANCED DIGITAL SIGNAL PROCESSING (606202)
Wednesday 18/12/2019	ELECTIVE - III (606103)

**PETROLEUM ENGINEERING****SEM-I**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Monday 09/12/2019	NUMERICAL SIMULATION IN PETROLEUM ENGINEERING (512101)
Thursday 12/12/2019	GEOLOGY IN RESERVOIR DESCRIPTION (512102)
Monday 16/12/2019	ADVANCED DRILLING ENGINEERING (512103)
Thursday 19/12/2019	RESEARCH METHODOLOGY (512104)
Saturday 21/12/2019	ELECTIVE - I (512105)

**SEM-II**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Tuesday 10/12/2019	ADVANCED RESERVOIR ENGINEERING (512107)
Friday 13/12/2019	ENVIRONMENTAL TECHNOLOGY IN PETROLEUM ENGINEERING (512108)
Tuesday 17/12/2019	ADVANCED PRODUCTION ENGINEERING (512109)
Friday 20/12/2019	ELECTIVE - II (512110)

**SEM-III**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 11/12/2019	ADVANCED WELL TESTING (512113)
Saturday 14/12/2019	ADVANCED WELL CONTROL (512114)
Wednesday 18/12/2019	ELECTIVE - III (512115)

**POLYMER ENGINEERING****SEM-I**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Monday 09/12/2019	MATHEMATICAL & STATISTICAL METHODS (709115)
Thursday 12/12/2019	PRINCIPLES OF MANAGEMENT (709116)
Monday 16/12/2019	ADVANCED POLYMER TECHNOLOGY (709117)
Thursday 19/12/2019	RESEARCH METHODOLOGY (709118)
Saturday 21/12/2019	ELECTIVE - I (709119)

**SEM-II**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Tuesday 10/12/2019	POLYMER PROCESSING & TESTING (709121)
Friday 13/12/2019	POLYMER PHYSICS & CHARACTERIZATION (709122)
Tuesday 17/12/2019	POLYMER STRUCTURE & PROPERTIES (709123)
Friday 20/12/2019	ELECTIVE - II (709124)

**SEM-III**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 11/12/2019	POLYMER RHEOLOGY (709127)
Saturday 14/12/2019	TRANSPORT PHENOMENON IN POLYMERS (709128)
Wednesday 18/12/2019	ELECTIVE - III (709129)

**PRODUCTION ENGINEERING (CAD/CAM)****SEM-I**

	<b>2013 Course</b> <b>TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Saturday 21/12/2019	ELECTIVE - I (511305)

**SEM-II**

	<b>2013 Course</b> <b>TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Friday 13/12/2019	OPTIMIZATION TECHNIQUES (511309)

**SEM-III**

	<b>2013 Course</b> <b>TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 11/12/2019	ADVANCED STRESS ANALYSIS (511313)

**PRODUCTION ENGINEERING (MANUFACTURING & AUTOMATION)**

**SEM-I**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Saturday 21/12/2019	ELECTIVE - I (511105)

**SEM-III**

	<b>2013 Course TIME-02.00 PM To 05.00 PM</b>
<b>Day &amp; Date</b>	<b>Subject</b>
Wednesday 18/12/2019	ELECTIVE - III (611103)

Ganeshkhind, Pune - 411 007

**Ref.No/XCT/1582**

**Date:19/11/2019**

**Director  
Board of Examinations and Evaluation**