

UNIVERSITY OF PUNE



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EXAMINATION SECTION
Ganeshkhind, Pune - 411 007
(Maharashtra) INDIA

Examination Circular No. 174 of 2011
Programme of B.E. 2008 Revised Course (All Branches) Examinations,
Nov. / Dec, 2011

1. Candidates are required to be present at their places of examination, fifteen minutes before the time of 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 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.
9. Use of non-programmable battery operated electronic Calculator of Pocket-size is allowed. The Exchange of calculators is not allowed.
10. The Centers and Places of the examination will be as follows :

1. PUNE:

Sr. No.	College Code	Centers and Places of the Examinations
1	2	Maharashtra Institute of Technology, Pune 411 038.
2	4	Vishwakarma Institute of Technology, Pune 411037.
3	5	Pune Institute of Computer Technology, Pune 411043.
4	6	Cusrow Wadia Institute of Technology, Pune 411001.
5	7	P.V.G.'s C.O.E.T., Pune 411009.
6	8	Pad. Dr. D.Y. Patil College of Engineering, Nigdi, Pune 411044.
7	19	College of Engineering, Malegaon (Bk.), Tal. Baramati, Dist – Pune 413115.
8	20	H.S.S.S.'s Cummins College of Engineering for Women, Pune 411052.
9	21	A.I.S.S.M.S.'s Institute of Technology, Pune 411001.(Repeater Students of P.I.E.T. College of Engineering, Shivajinagar, Pune -05. also.)
10	22	Army Institute of Technology, Dighi Hills, Pune 411015.
11	23	Sinhgad College of Engineering, Vadgaon Bk., Pune 411041.
12	24	Pad. Dr. D.Y. Patil Institute of Engineering & Tech., Pimpri, Pune 411018
13	25	A.I.S.S.M.S.'s Institute of Information Tech., Kennedy Road, Pune 411001.
14	26	P.D.E.S.'s A.G. Awate College of Engineering, Hadapsar, Pune 411028.
15	28	MAEER'S Maharashtra Academy of Engineering, Kedgaon Alandi, Dist. Pune.
16	30	G.S. Moze College of Engineering, Balewadi, Pune.
17	31	P.E.S.'s Modern College of Engineering, Pune 411005.
18	32	M.E.S.'s College of Engineering, Pune 411001.
19	33	Pimpri-Chinchwad Education Trust's College of Engg., Nigdi, Pune 411044.
20	34	Bharati Vidyapeeth's College of Engineering for Women, Pune 411043(Repeater Students of Bharati Vidyapeeth's COE, Dhankawadi. Pune 411043 also.)
21	35	VP's College of Engineering, Vidyanagari, Bhingwan Road, Tal. Baramati. Dist: Pune
22	36	Smt. Kashibai Navale College of Engineering for Women, Vadgaon Bk., Pune 411041

23	37	Rajarshi Shahu College of Engineering, Tathwade, Pune 411 013.
24	38	MAEER's Maharashtra Institute of Technology, College of Engineering. Pune - 411038.
25	39	V.I.I.T. College of Engineering, Sr. No. 2/3/4, Kondhwa (Bk.), Pune 411 048.
26	40	J.S.P.M.'s Jayawantrao Sawant College of Engineering, Handewadi Road, Hadapsar, Pune 411028.
27	42	Sinhgad Tech. Edu. Soc.'s Sinhgad Inst. of Tech., Kusgaon (BK), Lonawala, Tal. Mawal
28	43	Sinhgad Academy of Engineering, Kondhwa (BK), Pune 411 048.
29	44	Siddhant College of Engineering, Chakan - Talegoan Road, Sudumbare, Dist: Pune - 412 109.
30	45	Marathwada Mitra Mandal College of Engineering , Pune – 411 052.
31	46	G.H. Rasoni College of Engineering, Wagholi, Pune 412 207.
32	48	S.S.M.S. Padmabhushan Vasantdada Patil Inst. Of Tech, Bawadhan (Kd), Pune – 411038.
33	49	P.G..M.T's Parvatibai Genba Moze College of Engineering, Wagholi, Pune - 412012.
34	51	J.S.P.M's Imperial College of Engineering & Research, Pune Nagar Rd, Wagholi, Pune-412012.
35	52	S.C.E.S's Indira College of Engineering & Magt. Paranwadi Tal. Maval, Pune.
36	53	Z.E.S's Dnyanganga college of Engineering & Research, S.N. 39, Narhe, Tal. Haveli Dist – Pune 411 041.
37	54	G.H. Rasoni Institute of Engineering & Technology, Gat No. 120 Pune-Nagar Road., Wagholi, Pune --412207
38	55	Nutan Maharashtra Institute of Engineering & Tech., Vishnupuri, Talegaon Station, Tal. Maval, Dist. Pune. 410 507.
39	57	STE'S SIT & Science, Nehre Ambegaon, Pune. 411 041.
40	59	MMM'S Institute of Tech., Sr. No. 35 Plot No. 516 Lohagaon, Tal. Haveli, Dist. Pune. 411 032.
41	60	DPE'S Dhole Patil COE, 1248 Umbalenagar, Wagholi, Tal. Haveli, Dist. Pune.

42	63	Al-Amin Educational & Medical Foundation's College of Engineering, Bhima Koregaon, Tal. Shirur, Dist. Pune. 412 216
43	65	K.J.S. Edu. Society, Trinity COE, & Research, Sr. No. 25/27, Undri-Pisoli, Bopdeo Ghat Tal. Haveli. Dist. Pune.

2) AHMEDNAGAR:

1	9	Padmashri Dr. V. Vikhe Patil College of Engineering, Ahmednagar.
2	10	Amrutvahini College of Engineering, Sangamner, Dist. Ahmednagar
3	11	Pravra Rural College of Engineering, Pravaranagar (Loni), Dist. Ahmednagar.
4	12	College of Engineering, Kopargaon, Dist. Ahmednagar.
5	64	Vishwabharti Academy's COE, Jamkhed Road, at. Sarola Baddi. Dist. A' Nagar.
6	66	SGR Edu. Foundation COE' & Management, Gat. No. 1030, at. Chas, A' Nagar.

3) NASHIK:

1	13	K.K. Wagh College of Engineering, Nashik,
2	27	P.R.E.S's., Sir .Vishveshwarayya Memorial College of Enggi., Chincholi, Tal. Sinner, Dist. Nashik.
3	29	N.D.M.V.P. Samaj's Karmaveer Adv. Baburao Ganpatrao Thakare, College of Engineering, Gangapur, Nashik.
4	41	S.N.J.B.'s Late Sou. Kantabai Bhavarlal Jain College of Engineering, Neminagar, Chandwad, Nashik 423 101.
5	47	M.E.T. College of Engineering, Adgaon, Nashik.
6	50	S.N.D. College of Engineering, Nagar –Manmad Road, Babhulgaon, Yeola, Dist. Nashik.
7	58	Matoshree College of Engineering and Reasearch, Eklahare, Nashik. 423 401.
8	61	Sandeep Institute of Tech. & Research Center, Mahirwani, Dist. Nashilk.
9	62	Nashik Gramin S.P.M.'s Bharma Vally, COE, & Research, at. Anjaneri, Tal. Trambakeshwar, Nashik.

11. The Written Examination will be conducted in the following order :

B.E. (Civil)

Time: 2.30 p.m. to 5.30 p.m.

SEMESTER – I

Day & Date	Civil 2008 Revised Course
Thursday, 24.11.2011	Environmental Engineering – II (401001)
Saturday, 26.11.2011	Dams and Hydraulic Structures (401002)
Tuesday, 29.11.2011	Structure Design – III (401003) (2:30 p.m. to 6:30 p.m.)
Thursday, 01.12.2011	Elective – I (401004) <ol style="list-style-type: none">1. Structural Design of Bridges2. System Approach in Civil Engineering3. Air Pollution and Control4. Architecture and Town Planning5. Advanced Geotechnical Engineering
Saturday, 3.12.2011	Elective – II (401005) <ol style="list-style-type: none">1. Matrix Methods of Structural Analysis2. Hydroinformatics3. TQM & MIS in Civil Engineering4. Earthquake Engineering5. Advanced concrete Technology

B.E. (Mechanical)
Time: 2.30 p.m. to 5.30 p.m.

SEMESTER – I

Day & Date	Mechanical 2008 Revised Course
Thursday, 24.11.2011	CAD/CAM Automation (402041)
Saturday, 26.11.2011	Dynamics of Machinery (402042)
Tuesday, 29.11.2011	Industrial Fluid Power (402043)
Thursday, 01.12.2011	<u>Elective – I (402044)</u> 1. Energy Audit and Management 2. Product Design and Development 3. Design of Pumps, Blowers and Compressors 4. Tribology
Saturday, 3.12.2011	<u>Elective – II (402045)</u> 1. Automobile Engineering 2. Machine Tool Design 3. Quantitative and decision making Techniques

B.E. Mechanical Sandwich
Time : 2.30 p.m. to 5.30 a.m.

SEMESTER – I

Day & Date	Mechanical Sandwich 2008 Revised Course
Thursday, 24.11.2011	Machine & Computer Aided Design (402061) (2:30 p.m. to 6:30 p.m.)
Saturday, 26.11.2011	Dynamics of Machinery (402042)
Tuesday, 29.11.2011	Industrial Hydraulics & Pneumatics (402062)
Thursday, 01.12.2011	<u>Elective – II (402063)</u> 1. Refrigeration & Air Conditioning 2. Computational Fluid Dynamics 3. Finite Element Method
Saturday, 3.12.2011	<u>Elective – III(402064)</u> 1. Automobile Engineering 2. Operations Research 3. Robotics

B.E. (Electrical)
Time: 2.30 p.m. to 5.30 p.m.

SEMESTER – I

Day & Date	Electrical 2008 Revised Course
Thursday, 24.11.2011	PLC and SCADA Applications (403141)
Saturday, 26.11.2011	Power System Operation and Control (403142)
Tuesday, 29.11.2011	Control System – II (403145)
Thursday, 01.12.2011	Elective – I (403143) 1.Robotics and Automation 2.Power Quality 3.Illumination Engineering 4.Project Management
Saturday, 3.12.2011	Elective – II (403144) 1.Restructuring and Deregulation 2. Embedded System 3.EHV Transmission 4.Smart Grid

B.E. (Electronics & Telecommunications)
Time: 2.30 p.m. to 5.30 a.m.

SEMESTER – I

	E & TC 2008 Revised Course
Thursday, 24.11.2011	Electronics Product Design (404181)
Saturday, 26.11.2011	VLSI Design & Technology (404182)
Tuesday, 29.11.2011	Computer Network (404183)
Thursday, 01.12.2011	Elective – I (404184) 1. Digital Image Processing 2. Embedded System and RTOS 3. Industrial Drives Control 4. Microwave Communication and Radar
Saturday, 3.12.2011	Elective – II -(404185) 1. Entrepreneurship Development 2. Joint Time Frequency Analysis 3. Micro-electromechanical system on chip(MEMS and SOC) 4. Mobile Communication

B.E. (Electronics)
Time: 2.30 p.m. to 5.30 a.m.

SEMESTER – I

Day & Date	Electronics 2008 Revised Course
Thursday, 24.11.2011	Electronics System Design (404201)
Saturday, 26.11.2011	VLSI Design (404202)
Tuesday, 29.11.2011	Embedded System (404203)
Thursday, 01.12.2011	Elective – I (404204) 1. Advanced Measurement Systems 2. Advanced Power Electronics 3. Biomedical Instrumentation 4. Mechatronics
Saturday, 3.12.2011	Elective – II (404205) 1. Advanced Computer Architecture 2. Entrepreneurship and Business Planning 3. SOC (System on Chip) 4. Robotics and Automation

B.E. (Production Engineering)

Time: 2.30 p.m. to 5.30 a.m.

SEMESTER – I

Day & Date	Production Engineering 2008 Revised Course
Thursday, 24.11.2011	Machin Tool Design (411081)
Saturday, 26.11.2011	Manufacturing Automation (411082)
Tuesday, 29.11.2011	Operations Research (411083)
Thursday, 01.12.2011	Elective – I (411084) 1. Plastic Engineering 2. Industrial Robotics 3. Powder Metallurgy 4. Microprocessor Applications
Saturday, 3.12.2011	Elective – II (411085) 1. Ergonomics and Human Factors in Engineering 2. Material & Logistic Management 3. Simulatiion and Modelling 4. Plant Engineering and Maintenance

B.E. (Production –Sandwich)

Time: 2.30 p.m. to 5.30 a.m.

SEMESTER – I

Day & Date	Production- Sandwich 2008 Revised Course
Thursday, 24.11.2011	Operations Research & Management (411121)
Saturday, 26.11.2011	Mechatronics & Robotics (411122)
Tuesday, 29.11.2011	Advanced Production Technology (411123)
Thursday, 01.12.2011	Elective – I (411124) 1. Machine Tool Design 2. Automobile Engineering 3. Computer Integrated Manufacturing and Industrial Robotics 4. Plastic Engineering
Saturday, 3.12.2011	Elective – II (411125) 1. Ergonomics and Human Factors in Engineering 2. Materials Management & Logistics 3. Financial Management & Cost Control 4. Product Development

B.E. (Industrial Engineering)

Time: 2.30 p.m. to 5.30 a.m.

SEMESTER – I

Day & Date	Industrial Engineering 2008 Revised Course
Thursday, 24.11.2011	Financial Management & Costing (411101)
Saturday, 26.11.2011	Project Management (411102)
Tuesday, 29.11.2011	Quantitative Techniques (411103)
Thursday, 01.12.2011	Elective – I (411104) 1. Advanced Ergonomics 2. Logistics & Warehousing Management 3. Material Forming 4. Human Resource Management
Saturday, 3.12.2011	Elective – II (411105) 1. Industrial Laws 2. World class Manufacturing 3. Machine Tool Technology 4. Development of Professional Skills

B.E. (Printing Engineering)

Time: 2.30 p.m. to 5.30 a.m.

SEMESTER – I

Day & Date	Printing Engineering 2008 Revised Course
Thursday, 24.11.2011	Technology of Gravure (408283)
Saturday, 26.11.2011	Digital Imaging and Printing (408284)
Tuesday, 29.11.2011	Advertising and Multimedia (408285)
Thursday, 01.12.2011	Elective - I (408281) 1. Quality Control Techniques in Printing 2. Commercial Graphic Design 3. Screen Printing Techniques
Saturday, 3.12.2011	Elective – II (408282) 1. Security Printing 2. Newspaper Technology 3. Open Elective subject (Self Study)

B.E. (Information Technology)

Time: 2.30 p.m. to 5.30 a.m.

SEMESTER – I

Day & Date	Information Technology 2008 Revised Course
Thursday, 24.11.2011	Information Assurance and Security (414441)
Saturday, 26.11.2011	Object Oriented Modeling and Design (410443)
Tuesday, 29.11.2011	Software Testing and Quality Assurance (414442)
Thursday, 01.12.2011	Elective – I (414443) 1. Advanced Database Management 2. Artificial Intelligence 3. Compiler Design 4. Advanced Operating Systems
Saturday, 3.12.2011	Elective – II (414444) 1. Embedded System 2. Mobile Computing 3. Multimedia Systems

B.E. (Computer Engineering)

Time: 2.30 p.m. to 5.30 a.m.

SEMESTER – I

Day & Date	Computer Engineering 2008 Revised Course
Thursday, 24.11.2011	Design & Analysis of Algorithms (410441)
Saturday, 26.11.2011	Principles of Compiler Design (410442)
Tuesday, 29.11.2011	Object Oriented Modeling & Design (410 443)
Thursday, 01.12.2011	Elective – I (410444) 1. Image Processing 2. Design & Analysis of Computer Networks 3. Artificial Intelligence 4. Software Architecture
Saturday, 3.12.2011	Elective – II (410445) 1. Multimedia Systems 2. Mobile Computing 3. Embedded Systems 4. Software Testing & Quality Assurance

B.E. (Petrochemical Engineering)

Time: 2.30 p.m. to 5.30 a.m.

SEMESTER – I

Day & Date	Petrochemical Engineering 2008 Revised Course
Thursday, 24.11.2011	Reaction Engineering – II (412401)
Saturday, 26.11.2011	Process Dynamics and Control (412402)
Tuesday, 29.11.2011	Environmental Engineering (412403)
Thursday, 01.12.2011	Elective – I (412404) 1. Biochemical Engineering 2. Novel Separation Processes 3. Green Chemistry 4. Optimization Techniques for Process Industries
Saturday, 3.12.2011	Elective – II (412405) 1. Fine Chemical Industries 2. Catalyst Science and Technology 3. Natural Gas Technology 4. Health, Safety and Environment in Process Industry

B.E. (Petroleum Engineering)
Time: 2.30 p.m. to 5.30 a.m.

SEMESTER – I

Day & Date	Petroleum Engineering 2008 Revised Course
Thursday, 24.11.2011	Reservoir Engineering II (412381)
Saturday, 26.11.2011	Petroleum Formation Evaluation (412382)
Tuesday, 29.11.2011	Well Engineering and Design (412383)
Thursday, 01.12.2011	Elective – I (412384) 1. Petroleum Exploration 2. Advanced Instrumentation and Process Control in Petroleum Industry 3. Programming Database Management and Information Systems in Petroleum Industry 4. Mathematical Methods and Modeling in Petroleum Exploration and Production
Saturday, 3.12.2011	Elective-II (412385) 1. Petroleum Refining Technology 2. Petroleum Product Analysis 3. Non Conventional Hydrocarbon Resources 4. Carbon Management in Petroleum Industry

B.E. (Chemical Engineering)
Time: 2.30 p.m. to 5.30 a.m.

SEMESTER – I

Day & Date	Chemical Engineering 2008 Revised Course
Thursday, 24.11.2011	Process Dynamics and Control (409343)
Saturday, 26.11.2011	Chemical Reaction Engineering – II (409344)
Tuesday, 29.11.2011	Chemical Engineering Design – II (409345)
Thursday, 01.12.2011	<u>Elective – I (409341)</u> 1. Environmental Engineering 2. Membrane Technology 3. Bioprocess Engineering 4. Corrosion Engineering
Saturday, 3.12.2011	<u>Elective – II (409342)</u> 1. Chemical Process Synthesis 2. Advanced Materials 3. Polymer Technology 4. Piping Design & Engineering 5. Advanced Separation Processes 6. Petroleum Refining

B.E. (Polymer Engineering)
Time: 2.30 p.m. to 5.30 a.m.

SEMESTER – I

Day & Date	Polymer Engineering 2008 Revised Course
Thursday, 24.11.2011	Polymer Compounding (409361)
Saturday, 26.11.2011	Mold & Die Design – I (409362)
Tuesday, 29.11.2011	Polymer Processing Operation – II (409363)
Thursday, 01.12.2011	<u>Elective – I (409364)</u> 1. Fiber Technology 2. Mechanics of Composites 3. Polymer Reaction Engineering
Saturday, 3.12.2011	<u>Elective – II (409365)</u> 1. Production Planning and Control 2. Surface Coating and Adhesives 3. Packaging Technology

B.E. (Instrumentation and Control Engineering)
Time: 2.30 p.m. to 5.30 a.m.

SEMESTER – I

Day & Date	Instrumentation and Control Engineering 2008 Revised Course
Thursday, 24.11.2011	Process Instrumentation (406261)
Saturday, 26.11.2011	Digital Control (406262)
Tuesday, 29.11.2011	Project Engineering and Management (406263)
Thursday, 01.12.2011	<u>Elective – I (406264)</u> 1. Biomedical Instrumentation 2. Laser based Instrumentation 3. Advanced Control Systems 4. Building Automation – I
Saturday, 3.12.2011	<u>Elective – II (406265)</u> 1. Environmental Instrumentation 2. Nano Instrumentation 3. Advanced Digital Signal Processing 4. Automobile Instrumentation

B.E. Biotechnology
Time : 2.30 p.m. to 5.30 a.m.

SEMESTER – I

Day & Date	Biotechnology 2008 Revised Course
Thursday, 24.11.2011	Bioseparation II (415463)
Saturday, 26.11.2011	Instrumentation and Process Control (415464)
Tuesday, 29.11.2011	Bioprocess Equipment Design (415465)
Thursday, 01.12.2011	<u>Elective – I (415461)</u> 1. Environmental Biotechnology 2. Chemoinformatics and Structural Biology 3. Bio-therapeutics Technology
Saturday, 3.12.2011	<u>Elective – II (415462)</u> 1. Bioenergy and Renewable Resources 2. Biomaterials 3. Stem Cell Biology and Regenerative Medicine

12. The Practical/Oral/Project Examination will be conducted from 24.10.2011 to 12.11.2011
13. Candidates are permitted to use the stencils at the time of examination.
14. 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.

Ganeshkhind, Pune-411007
Ref. / XCT/ 941
Date: 16.09.2011

Dr.S.M. Ahire
Controller of Examination