

UNIVERSITY OF PUNE



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

Examination Circular No. 173 of 2011
Programme of B.E. 2003 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 in 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.

B.E. 2003 Course (All Branches) / 3

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

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

Day & Date	B.E. (Civil) 2003 Course	B.E. (Civil) 1997 Course
Wednesday, 16.11.2011	Dams & Hydraulic Structures (2003-401008)	-----
Thursday, 17.11.2011	Transportation Engg. II (2003-401009)	-----
Friday, 18.11.2011	Foundation Engg. (2003-401010)	-----
Saturday, 19.11.2011	Elective - II (2003-401007) 1) Advanced Concrete Tech 2) Earthquake Engineering 3) Adv. transportation Engineering (4 hrs) * 2.30 PM to 6.30 PM 4) Adv. Structured Design 5) Construction Management 6) Integrated Water Resources Planning & Management 7) Adv. Engineering Geology with rock Mechanics	Elective-II (1997-401008) 1. Air Pollution 2. Advanced Engineering Geology with Rock Mechanics 3. Advanced Transportation Engg. *(2-30 p.m. to 6.30 p.m.) 4. Advanced Analysis and Design of the Structures 5. Earth Structures 6. Concrete Composites & Precast Concrete
Thursday, 24.11.2011	Hydrology & Irrigation (2003-401001)	-----
Saturday, 26.11.2011	Environmental Engg. II (2003-401002)	-----
Tuesday, 29.11.2011	Quantity Surveying Contracts & Tenders (2003-401003) *(2-30 p.m. to 6-30 p.m.)	-----
Thursday, 1.12.2011	Structural Design III (2003-401004) *(2-30 p.m. to 6-30 p.m.)	-----
Saturday, 3.12.2011	Elective I (2003-401005) 1. Systems Approach in Civil Engg. 2. Architecture and Town Planning 3. Advanced Geotechnical Engg. 4. Finite Element Method 5. Structural Design of Bridges 6. Advanced Environ-mental Management 7. Geoinformatics	Elective I (1997-401001) 1. Matrix Methods of Structural Analysis 2. System Approach in Civil Engineering 3. Experimental Stress Analysis 4. Construction Management 5. Advanced Surveying and Remote Sensing *(2.30 p.m. to 6.30 p.m.) 6. Architecture and Town Planning

* Please note the timing

B.E. (Mechanical)/B.E. (Mechanical Sandwich)

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

Day & Date	B.E. (Mechanical) 2003 Course	B.E. (Mechanical) 1997 Course	B.E. (Mechanical SW) 2003 Course	B.E. (Mechanical SW) 1997 Course
Wednesday, 16.11.2011	CAD/CAM & Automation (2003-402047)	-----	CAD/CAM & Automation (2003-402048)	Manufacturing Management (1997-402067)
Thursday, 17.11.2011	Power Plant Engg. (2003-402048)	-----	-----	-----
Friday, 18.11.2011	Industrial Fluid Power (2003-402049)	-----	-----	-----
Saturday, 19.11.2011	Elective II (2003-402050) 1. Robotics 2. Comp. Fluid Dynamics 3. Energy Management 4. Rapid Prototyping 5. Reliability Engg. 6. Automobile Engg.	Elective II (1997-402051) 1. Advanced Machine Design	Elective-III (2003-402065) 1. Industrial Engg. 2. Costing & Cost Control 3. Production Management 4. Machine Tools Design 5. Non-conventional Energy	Advanced M/C Designing (1997- 402065)
Thursday, 24.11.2011	Mechanical System Design (2003-402041) *(2-30 p.m. to 6-30 p.m.)	Fluid Machinery (1997-402042) Refer T.E. Mech.2003 Course Time Table for date & time	Design Engineering (2003-402061) *(2-30 p.m. to 6-30 p.m.)	-----
Saturday, 26.11.2011	Dynamics of Machinery (2003-402042)	-----	Dynamics of Machinery (2003-402042)	-----
Tuesday, 29.11.2011	Mechatronics (2003-402043)	Industrial Mgt. II (1997-411044) Refer T.E. Mech.(2003) for date & time	-----	Fluid Machinery & Fluid power (1997-402062)
Thursday, 1.12.2011	Gas Turbines and Jet Propulsion (2003-402044)	Elective I (1997-402045) 1. Refrigeration & Air Conditioning (Refer T.E. Mech.(2003) for Date & Time) 2. Tribology (Refer T.E. Mech.(2003) for Date & Time 3. Plant Engineering	Industrial Hydraulics & Pneumatics (2003-402062)	-----
Saturday, 3.12.2011	Elective I (2003-402045) 1. Product Design & Development 2. Material Engg. and their Processing 3. Alternative Energy Sources 4. Kinematic Analysis and Synthesis 5. Operation Research 6. Costing & Cost Control	Elective I (1997 – 402045) Microprocessor Application	Elective I (2003-402063) 1. Refrigeration & Air Conditioning 2. Robotics 3. Tribology 4. Automobile 5. Computational Fluid Dynamics	Elective I (1997-402065) 1. Microprocessor Applications
Monday, 5.12.2011		Applied Thermodynamics-III (1997-402043)		Elective-I Applied Thermodynamics-III (1997-402065)

B.E. (Industrial Engineering)**Time: 2.30 p.m. to 5.30 p.m.**

Day & Date	B.E. (Industrial Engineering) 2003 Course	B.E. (Industrial Engineering) 1997 Course
Wednesday, 16.11.2011	Flexible Manufacturing System (2003- 411108)	-----
Thursday, 17.11.2011	Advanced Manufacturing Processes (2003 – 411009)	Industrial Engineering Applications in service Sector (1997-411109)
Friday, 18.11.2011	Energy Management (2003-411110)	Development of Human Resources (411110)
Saturday, 19.11.2011	Elective - II (2003-411111) 1. Entrepreneurship Development 2. Plastic Engineering 3. Industrial & Commercial Laws 4. Material Logistic	Elective II (1997-411111) 1. Production Design 2. Environmental Engg. 3. Computer Aided Manufacturing 4. Industrial and Commercial Laws
Thursday, 24.11.2011	Quantitative Techniques (2003-411101)	Material Control (1997-411101)
Saturday, 26.11.2011	Business Accounting & Costing (2003-411102)	-----
Tuesday, 29.11.2011	Human Factors Engineering (2003-411103)	Work study Applications (1997-411103) Refer T.E. (Ind. Engg.) (2003) Time Table for Date & Time
Thursday, 1.12.2011	Logistics Warehousing (2003-411104)	-----
Saturday, 3.12.2011	Elective I (2003-411105) 1. Supply Chain Mgmt. 2. Simulation Modeling & Analysis 3. Units Operation 4. Project Management	Elective I (1997-411105) 1. Safety Engineering

B.E. (Production Engineering) /B.E. (Production Sandwich)

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

Day & Date	B.E. (Prod. Engg.) 2003 Course	B.E. (Prod. Engg.) 1997 Course	B.E. (Prod. Sandwich) 2003 Course	B.E. (Prod. Sandwich) 1997 Course
Wednesday, 16.11.2011	Material & Financial Management (2003-411087)	Industrial Relation & Manufacturers Management (1997-411125)	-----	Industrial Relation & Manufacturers Management (1997-411125)
Thursday, 17.11.2011	Process Planning & Tools Selection (2003- 411088)	-----	-----	-----
Friday, 18.11.2011	CAD/CAM/CIM (2003-411089)	-----	-----	-----
Saturday, 19.11.2011	Elective II (2003-411090) 1. Robotics 2. Ergonomics and Human Factors in Engineering 3. Adv. Material Processing 4. Adv. Production Tech.	Elective II (1997-411091) 1. Production Processes & Design 2. Case Studies in Production Management Operation Research Problems & Quality Control	Elective II (2003-411125) 1. Plant Engg. & Facility Layout 2. Supply Chain Mgmt. 3. Industrial & Commercial Law 4. Project Management	-----
Thursday, 24.11.2011	Production Management (2003-411081)	-----	Mechatronics & Robotics (2003-411121)	-----
Saturday, 26.11.2011	Machine Tool Design (2003-411082)	-----	Machine Tool Design (2003-411082)	-----
Tuesday, 29.11.2011	Manufacturing Automation and Control (2003-411083)	-----	Manufacturing Automation and Control (2003-411083)	-----
Thursday, 1.12.2011	Operation Research (2003-411084)	-----	Operation Research & Management (2003-411126)	-----
Saturday, 3.12.2011	Elective I (2003-411085) 1. Reliability Engineering 2. Powder Metallurgy 3. Plant Engg. and Maintenance 4. Material Handling Technology & Equipment Design	Elective I (1997-411085) 1. Materials Management 2. Advances in Material Sciences	Elective – I (2003-411122) 1. Ergonomics 2. Financial Mgt. 3. Die & Mould Design 4. Adv. Product Technique 5. Reliability Engineering	Elective-I (1997-411085) 1. Powder Metallurgy 2. Advances in Material Sciences 3. Plant Engineering 4. Robotics & Its Industrial Appln.

B.E. (Electrical) / B.E. (Electrical Sandwich)

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

Day & Date	B.E. (Electrical) 2003 Course	B.E. (Electrical) 1997 Course	B.E. (Elect. Sandwich) 2003 Course	B.E. (Elect. Sandwich) 1997 Course
Wednesday, 16.11.2011	Energy Management (2003-403147)	-----	-----	-----
Thursday, 17.11.2011	Switchgear & Protection (2003-403148)	-----	-----	-----
Friday, 18.11.2011	Digital Control System (2003-403149)	Electrical Machine III (1997-403151) Refer T.E.(Electrical- 2003 Time Table for Date & Time	-----	-----
Saturday, 19.11.2011	Elective II (2003-403150) 1. VLSI Design 2. High Voltage Engineering 3. Digital Signal Processing 4. ANN & Application in Electrical Engineering	Elective II (1997-403148) 1. Advanced Microprocessor Tetchiness	-----	-----
Thursday, 24.11.2011	Power System Operation & Control (2003-403141)	-----	-----	Microprocessor Techniques (1997-403161)
Saturday, 26.11.2011	Utilization of Electrical Energy (2003-403142)	-----	-----	Electrical Power II (1997-403162)
Tuesday, 29.11.2011	Industrial Drives & Control (2003-403144)	Control System I (1997-403144) Refer T.E. (Electrical) (2003) Time Table for Date & Time	-----	Protective Systems & Switchgear (1997-403163)
Thursday, 1.12.2011	Control System II (2003-403145)	Design of Electrical Machines (1997-403145) Refer T.E. (Electrical) (2003) Time Table for Date & Time	-----	-----
Saturday, 3.12.2011	Elective I (2003-403143) 1. Robotics & Automation 2. Power Quality 3. Illumination Engineering 4. Project Management 5. Restructuring & Deregulation	-----	-----	Elective I (1997-403141) 1. Energy Audit and Conservation 2. Robotics& Automation 3. Electromechanical Energy Conversion 4. Modern Power System Practice

B.E. (Electronics & Telecommunication)**Time: 2.30 p.m. to 5.30 p.m.**

Day & Date	B.E. (Electro. & Telecomm.) 2003 Course	B.E. (Electro. & Telecomm.) 1997 Course
Wednesday, 16.11.2011	Electronics Measurement System (2003-404222)	-----
Thursday, 17.11.2011	Telecom Networks & Management (2003-404223)	Consumer Electronics (404189)
Friday, 18.11.2011	Optical & Microwave Communication (2003-404224)	Communication Network (404188)
Saturday, 19.11.2011	Elective - II (2003-404225) 1. Adv. Communication System 2. Digital Image Processing 3. Biomedical Engineering 4. System Programming & Operating System	Elective II (404191) 1. Fiber Optic Communication 2. Agriculture Electronics 3. Microwave Engg. 4. Software Engg. 5. PLC & Industrial Controllers 6. Image Processing
Thursday, 24.11.2011	Computer Network (2003-404214)	Computer Architecture (1997-404181)
Saturday, 26.11.2011	Voice Network (2003-404215)	Digital Signal Processing (1997-404183)
Tuesday, 29.11.2011	Electronics Product Design (2003-404216)	Radiation & Microwave Techniques (1997-404182)
Thursday, 1.12.2011	VLSI Design (2003-404217)	Elective I (1997-404185) VLSI Design
Saturday, 3.12.2011	Elective I (2003-404218) 1. Embedded System Design 2. Advanced Power Electronics 3. Artificial Neural Networks 4. Robotics and Industrial Automation 5. Adv. Digital Signal Processing	Elective I (1997-404185) 1. Advanced Power Electronics 2. Systems Programming 3. Robotics 4. Information Technology
Monday, 5.12.2011	Elective - II (2003-404225) Audio-Video Engg.	Elective -I (1997-404185) Auto-Video Engg.

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

Day & Date	B.E. (Electronics) 2003 Course	B.E. (Electronics) 1997 Course
Wednesday, 16.11.2011	Electronics Measurement System (2003-404209)	-----
Thursday, 17.11.2011	Management Information System (2003-404210)	Modern Electronics System (1997-404208)
Friday, 18.11.2011	Biomedical Electronics (2003-404211)	Computer Based Simulation Modeling (1997-404209)
Saturday, 19.11.2011	Elective - II(2003-404212) 1. Real Time Operating Sys 2. Artificial Intelligence 3. Robotics & Industrial Automation 4. System Programming & Operation System 5 Digital Image Processing	Elective II (1997-404210) 1. Optical Fiber Communication 2. Power Electronics III 3. Medical Electronics II 4. Advanced Computer Programming 5. Image Processing
Thursday, 24.11.2011	Computer Network (2003-404201)	Electronics Communication –II (1997 – 404201)
Saturday, 26.11.2011	Electronic Product Design (2003-404202)	-----
Tuesday, 29.11.2011	Advanced Power Electronics (2003-404203)	Digital Signal Processing & Application (1997-404203)
Thursday, 1.12.2011	VLSI Design (2003-404204)	VLSI Design (1997-404210)
Saturday, 3.12.2011	Elective I (2003-404205) 1. Embedded System Design 2. Process Instrumentation 3. Adv. D.S.P. 4. Advanced Communication Engg. 5. Software Engineering	Elective I (1997-404205) 1. Process Instrumentation 2. Microwave Techniques 3. Medical Electronics I 4. Computer Interfacing 5. Informatics Technology
Monday, 5.12.2011	-----	Elective-I (1997-404185) Audio-Video Engg.

B.E. (Industrial Electronics)

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

Day & Date	B.E. (Industrial Electronics) 2003 Course	B.E. (Industrial Electronics) 1997 Course
Wednesday, 16.11.2011	-----	Computer Technique (1997-404227)
Thursday, 17.11.2011	-----	Biomedical Engineering (1997-404228)
Friday, 18.11.2011	-----	Robotics & C.N.C. (1997-404229)
Saturday, 19.11.2011	-----	Elective II (1997-404230) 1. A.C. Motor Drives 2. Software Engg. 3. Advanced Digital Control 4. Image Processing 5. Programmable Industrial Controllers 6. Agricultural Electronics Engineering
Thursday, 24.11.2011	-----	Digital Signal Processing (1997-404221)
Saturday, 26.11.2011	-----	Power Electronics Drives and Applications (1997-404222)
Tuesday, 29.11.2011	-----	Power Electronics-II (1997-404202) Electronic System Design (1997-404223)
Thursday, 1.12.2011	-----	Industrial Instrumentation (1997-404224)
Saturday, 3.12.2011	-----	Elective I (1997-404225) 1. Information Technology 2. Micro Controller 3. Opto. Electronics 4. Data Communication 5. Electronics Circuits Modeling & Simulation 6. Advanced Computer Programming
Monday, 5.12.2011	-----	Elective I (1997-404185) Audio-Video Engg.

B.E. (Metallurgy) / B.E.(Metallurgy Sandwich)

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

Day & Date	B.E. (Metallurgy) 2003 Course	B.E. (Metallurgy) 1997 Course	B.E. (Meta.Sandwich) 2003 Course	B.E. (Meta.Sandwich) 1997 Course
Wednesday, 16.11.2011	-----	Furnace Technology (405309)	-----	Structure of Metallurgy (1997-405322)
Thursday, 17.11.2011	-----	Modern Materials Technology (405310)	-----	-----
Friday, 18.11.2011	-----	Industrial Organization and Management II (405311)	-----	-----
Saturday, 19.11.2011	-----	Structural Metallurgy (1997 - 405303)	-----	-----
Thursday, 24.11.2011	-----	Industrial Organization & Management I (1997-405302)	-----	Elective I (1997-405301) 1. Engineering Materials Technology 2. Corrosion & Corrosion Control 3. Energy Resources & Applications 4. Processes of Ore Formation
Saturday, 26.11.2011	-----	Advanced Manu- facturing Processes (1997-405305)	-----	Technical Control & Management (1997-405321)
Tuesday, 29.11.2011	-----	-----	-----	Industrial Metallurgy II (1997-405322)
Thursday, 1.12.2011	-----	Selection of Materials & Failure Analysis (1997-405304)	-----	Selection of Materials & Failure Analysis (1997-405304)
Saturday, 3.12.2011	-----	Elective II (1997-405308) 1. Metallurgy & Science of Welding 2. Powder Metallurgy 3. Composite Materials 4. Advanced Testing, Inspection and Quality Control	-----	Furnace Technology (1997-405309)
Monday, 5.12.2011	-----	Elective I (405301) 1. Engineering Materials Technology 2. Corrosion & Corrosion Control 3. Energy Resources & Applications 4. Processes of Ore Formation	-----	-----

B.E. (Instrumentation and Control)

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

Day & Date	B.E. (Instrumentation and Control) 2003 Course	B.E. (Instrumentation and Control) 1997 Course
Wednesday, 16.11.2011	Process Instrumentation – II (2003-406267)	-----
Thursday, 17.11.2011	Computer Technology & Application (2003-406268)	-----
Friday, 18.11.2011	Industrial Automation (2003- 406269)	-----
Saturday, 19.11.2011	Elective - II (2003-406270) 1. Adv. Biomedical Instrumentation 2. Power Plant 3. Fiber Optic Instrumentation 4. Process Modeling & Optimization 5. Building Automation- II.	Elective II (1997-406268) 1. Process Modeling and Optimization 2. Instrumentation for Agriculture & Food Processing
Thursday, 24.11.2011	Process Instrumentation I (2003-406261)	-----
Saturday, 26.11.2011	Project Engineering & Management (2003-406262)	-----
Tuesday, 29.11.2011	Digital Control (2003-406263)	-----
Thursday, 1.12.2011	-----	DCS & Communication protocols (1997-406265)
Saturday, 3.12.2011	Elective I (2003-406264) 1. Biomedical Instrumentation 2. Instrumentation for Environmental Engg. 3. Laser Application in Instrumentation 4. Advanced Control System 5. Building Automation - I	Elective I (1997-406261) 1. Power Electronics 2. Reliability Engineering
Monday, 5.12.2011	-----	Instrumentation & System Design (1997-406271)

B.E. (Printing Engineering & Communication Technology)

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

Day & Date	B.E. (Printing Engineering & Communication Technology) 2003 Course	B.E. (Printing Engineering & Communication Technology) 1997 Course
Wednesday, 16.11.2011	Technology of Grevere & Flexo Graphy. (2003-408288)	-----
Thursday, 17.11.2011	Assembly & Maintenance of Printing Machine (2003-408289)	-----
Friday, 18.11.2011	Substrates & Ink Technology (2003-408290)	-----
Saturday, 19.11.2011	Elective - II (2003-408287) 1. Study of Materials & Package Design 2. Image Conversion & Modification 3. Study of Advt. & Multimedia 4. Information Technology	-----
Thursday, 24.11.2011	Costing & Estimating & Project Management, Operation Research (2003-408282)	-----
Saturday, 26.11.2011	Surface Preparation-II (2003-408283)	-----
Tuesday, 29.11.2011	Offset Machine-II (2003-408284)	-----
Thursday, 1.12.2011	Electronic Image Setting (2003-408285)	-----
Saturday, 3.12.2011	Elective I (2003-408281) 1. Newspaper Technology 2. Flexible Packaging 3. Security Printing	-----

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

Day & Date	B.E. (Chemical) 2003 Course	B.E. (Chemical) 1997 Course
Wednesday, 16.11.2011	Process Modeling & Simulation (2003-409349)	Plant Design & Project Engineering (1997-409347)
Thursday, 17.11.2011	Project Costing & Appraisal (2003-409350)	Process Modeling & Simulation (1997-409348)
Friday, 18.11.2011	Chemical Plant Engineering (2003-409351)	Transport Phenomena (1997-405344)
Saturday, 19.11.2011	Elective - II (2003-409348) 1. Computer Aided process Control 2. Food Technology 3. Advanced Materials 4. Industrial Hazards & Safety 5. Piping Design & Engineering 6. Fuel Cell Technology 7. Petrochemical Engineering	Process Dynamics and Control (1997-409350)
Thursday, 24.11.2011	Process Dynamics and Control (2003-409342)	Mass Transfer II (1997 -409342) Refer to T.E. (Chemical) Time Table for Date & Time
Saturday, 26.11.2011	Chemical Reaction Engg. II (2003-409343)	-----
Tuesday, 29.11.2011	Chemical Process Synthesis (2003-409344)	-----
Thursday, 1.12.2011	Process Equipment Design II (2003-409345)	-----
Saturday, 3.12.2011	Elective I (2003-409341) 1. Environmental Engg. 2. Bioprocess Engg. 3. Energy Conservation 4. Polymer Technology 5. Catalysts 6. Adv. Separation Processes 7. Petroleum Refining	-----

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

Day & Date	B.E. (Polymer Engineering) 2003 Course	B.E. (Polymer Engineering) 1997 Course
Wednesday, 16.11.2011	Product Design & Computer Application (2003-404368)	-----
Thursday, 17.11.2011	Polymer Processing Operations II (2003-409369)	-----
Friday, 18.11.2011	Industrial Management & Process Economics (2003-409370)	-----
Saturday, 19.11.2011	Elective - II (2003-409367) 1. Specialty Polymer 2. Fiber Technology 3. Mechanics of Composites 4. Packing Technology	-----
Thursday, 24.11.2011	Polymer Structure & Property Relationship (2003-409361)	-----
Saturday, 26.11.2011	Polymer Processing Operations I (2003-409362)	-----
Tuesday, 29.11.2011	Polymer Composites & Blends (2003-404363)	-----
Thursday, 1.12.2011	Mould & Die Design (2003-409364) *2.30pm to 6.30pm	-----
Saturday, 3.12.2011	Elective - I (2003-409366) 1. Polymer Reaction Engg. 2. Rubber Technology 3. Surface Coating and Adhesive 4. Advanced Polymer Rheology	-----

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

Day & Date	B.E. (Petroleum Engineering) 2003 Course	B.E. (Petroleum Engineering) 1997 Course
Wednesday, 16.11.2011	Reservoir Engineering II (2003-412388)	-----
Thursday, 17.11.2011	Petroleum Production Engineering II (2003-412389)	-----
Friday, 18.11.2011	Oil well Drilling Engineering (2003-412390)	-----
Saturday, 19.11.2011	Elective – II (2003-412391) 1. Petroleum Economics 2. Integrated Reservoir Management 3. Deepwater Technology	-----
Thursday, 24.11.2011	Reservoir Engineering I (2003-412381)	-----
Saturday, 26.11.2011	Petroleum Exploration (2003-412382)	-----
Tuesday, 29.11.2011	Formation Evaluation (2003-412383)	-----
Thursday, 1.12.2011	Natural Gas Engineering (2003-412384)	-----
Saturday, 3.12.2011	Elective I (2003-412385) 1. Refining and Petrochemical Technology 2. Applied Computational Techniques 3. Environment Safety & Health in Petroleum Industries Environmental Technology in Petroleum Industry	-----

B.E. (Petro-Chemical Engineering)

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

Day & Date	B.E. (Petro-Chemical Engineering) 2003 Course	B.E. (Petro-Chemical Engineering) 1997 Course
Wednesday, 16.11.2011	Refinery Process Design (2003-412407)	-----
Thursday, 17.11.2011	Natural Gas Technology (2003-412408)	-----
Friday, 18.11.2011	Process Economics & Project Engineering (2003-412409)	-----
Saturday, 19.11.2011	Elective II (2003-412411) 1. Catalysis Technology And Fluidization Engineering 2. Biochemical Engineering 3. Petroleum Exploration And Production Operation	-----
Thursday, 24.11.2011	Refining Operation (2003-412401)	-----
Saturday, 26.11.2011	Petrochemical Processes (2003-412402)	-----
Tuesday, 29.11.2011	Reaction Engineering II (2003-412403)	-----
Thursday, 1.12.2011	Process Dynamics, & Control (2003-412404)	-----
Saturday, 3.12.2011	Elective I (2003-412405) 1. Environmental Engg. 2. Novel Separation Process 3. Interface and Colloid Science	-----

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

Day & Date	B.E. (Computer Engineering) 2003 Course	B.E. (Computer Engineering) 1997 Course
Wednesday, 16.11.2011	Networks & Information Security (2003-410448)	-----
Thursday, 17.11.2011	Advanced Computer Architecture & Computing (2003-410449)	Project Planning & Management (1997-410250)
Friday, 18.11.2011	Software Testing & Quality Assurance (2003-410450)	Multimedia Techniques (1997-410252)
Saturday, 19.11.2011	Elective - II (2003-410451) 1. Distributed System 2. Software Architecture 3. Embedded System 4. High Performance Networks	Elective II (1997-410251) 1. Advanced Digital Signal Processing 2. Advanced Unix Programming 3. Object oriented Component & Systems
Thursday, 24.11.2011	Design & Analysis of Algorithms (2003-410441)	-----
Saturday, 26.11.2011	Operating Systems (2003-410442)	-----
Tuesday, 29.11.2011	Object Oriented Modeling & Design (2003-410443)	-----
Thursday, 1.12.2011	Principles of Compiler Design (2003-410444)	-----
Saturday, 3.12.2011	Elective I (2003-410445) 1. Image Processing 2. Advanced Databases 3. Artificial Intelligence 4. Multimedia System	Elective I (1997-410245) 1. Digital System Design
Monday, 5.12.2011	-----	Computer Network (1997-410241)

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

Day & Date	B.E. (Information Technology) 2003 Course	B.E. (Information Technology) 1997 Course
Wednesday, 16.11.2011	System Operation and Maintenance (2003-414448)	-----
Thursday, 17.11.2011	Distributed System (2003-414449)	-----
Friday, 18.11.2011	Information Retrieval (2003-414450)	-----
Saturday, 19.11.2011	Elective II (2003-414451) 1. Artificial Intelligence 2. Software Architecture 3. Real Time System 4. Embedded System	Elective-II (1997-410452) (1) Object Oriented Component Systems (2) Multimedia Application
Thursday, 24.11.2011	Information System Security (2003-414441)	-----
Saturday, 26.11.2011	Advanced Database Management (2003-414442)	-----
Tuesday, 29.11.2011	Object Oriented Modeling & Design (2003-414443)	-----
Thursday, 1.12.2011	Software Testing & Quality Assurance (2003-414444)	-----
Saturday, 3.12.2011	Elective-I (2003-414445) (1) Bio-informatics (2) Mobile Computing (3) GIS & Remote Sensing (4) Org. Behaviour & Mgmt.	-----
Monday, 5.12.2011	-----	Elective-I (1997-410445) (1) Managerial Economics 2) ERP

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

Day & Date	B.E. (Biotechnology) 2003 Course
Wednesday, 16.11.2011	Analytical Biotechnology (2003 – 416288)
Thursday, 17.11.2011	Bioinformatics and Regulations (2003 – 416288)
Friday, 18.11.2011	Plant Engineering (2003 – 409289)
Saturday, 19.11.2011	Elective II (2003 – 416286) 1) Biomaterials 2) Food Biotechnology 3) Nano Biotechnology 4) Biothicks & Biosafety
Thursday, 24.11.2011	Enzyme and Fermentation Engineering (2003 – 416282)
Saturday, 26.11.2011	Chemical Reaction Engineering – II (2003 – 409343)
Tuesday, 29.11.2011	Bioprocess Equipment Design (2003 – 416283)
Thursday, 1.12.2011	Novel Separation Techniques (2003 – 416284)
Saturday, 3.12.2011	Elective I – (2003 – 416281) 1) Pharmaceutical Biotechnology 2) Environmental Biotechnology 3) Cosmetic Biotechnology 4) Metabolic Engg.

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.
15. Candidates of B.E. (Part I) (1997 Courses) will have to appear for the equivalence Subject under 2003 Course wherever equivalence have been given under the concerned branches

Ganeshkhind, Pune-411007
Ref. / XCT/940
Date: 16.09.2011

Dr. S. M. Ahire
Controller of Examination