

UNIVERSITY OF PUNE



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

Examination Circular No. 57 of 2012
Programme of B.E. 2003 Course (All Branches) Examinations,
Nov. 2012

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. Raison 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. Raison 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 Bharna 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
Friday 02.11.2012	Dams & Hydraulic Structures (2003-401008)	-----
Saturday 03.11.2012	Transportation Engg. II (2003-401009)	-----
Monday 05.11.2012	Foundation Engg. (2003-401010)	-----
Tuesday 06.11.2012	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
Wednesday 07.11.2012	Hydrology & Irrigation (2003-401001)	-----
Friday 09.11.2012	Environmental Engg. II (2003-401002)	-----
Monday 19.11.2012	Quantity Surveying Contracts & Tenders (2003-401003) *(2-30 p.m. to 6-30 p.m.)	-----
Wednesday 21.11.2012	Structural Design III (2003-401004) *(2-30 p.m. to 6-30 p.m.)	-----
Friday 23.11.2012	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
Friday 02.11.2012	CAD/CAM & Automation (2003-402047)	-----	CAD/CAM & Automation (2003-402048)	Manufacturing Management (1997-402067)
Saturday 03.11.2012	Power Plant Engg. (2003-402048)	-----	-----	-----
Monday 05.11.2012	Industrial Fluid Power (2003-402049)	-----	-----	-----
Tuesday 06.11.2012	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)
Wednesday 07.11.2012	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.)	-----
Friday 09.11.2012	Dynamics of Machinery (2003-402042)	-----	Dynamics of Machinery (2003-402042)	-----
Monday 19.11.2012	Mechatronics (2003-402043)	Industrial Mgt. II (1997-411044) Refer T.E. Mech.(2003) for date & time	-----	Fluid Machinery & Fluid power (1997-402062)
Wednesday 21.11.2012	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)	-----
Friday 23.11.2012	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 26.11.2012	-----	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
Friday 02.11.2012	Flexible Manufacturing System (2003- 411108)	-----
Saturday 03.11.2012	Advanced Manufacturing Processes (2003 – 411009)	Industrial Engineering Applications in service Sector (1997-411109)
Monday 05.11.2012	Energy Management (2003-411110)	Development of Human Resources (411110)
Tuesday 06.11.2012	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
Wednesday 07.11.2012	Quantitative Techniques (2003-411101)	Material Control (1997-411101)
Friday 09.11.2012	Business Accounting & Costing (2003-411102)	-----
Monday 19.11.2012	Human Factors Engineering (2003-411103)	Work study Applications (1997-411103) Refer T.E. (Ind. Engg.) (2003) Time Table for Date & Time
Wednesday 21.11.2012	Logistics Warehousing (2003-411104)	-----
Friday 23.11.2012	Elective I (2003-411105) 1. Supply Chain Mgnt. 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
Friday 02.11.2012	Material & Financial Management (2003-411087)	Industrial Relation & Manufacturers Management (1997-411125)	-----	Industrial Relation & Manufacturers Management (1997-411125)
Saturday 03.11.2012	Process Planning & Tools Selection (2003- 411088)	-----	-----	-----
Monday 05.11.2012	CAD/CAM/CIM (2003-411089)	-----	-----	-----
Tuesday 06.11.2012	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	-----
Wednesday 07.11.2012	Production Management (2003-411081)	-----	Mechatronics & Robotics (2003-411121)	-----
Friday 09.11.2012	Machine Tool Design (2003-411082)	-----	Machine Tool Design (2003-411082)	-----
Monday 19.11.2012	Manufacturing Automation and Control (2003-411083)	-----	Manufacturing Automation and Control (2003-411083)	-----
Wednesday 21.11.2012	Operation Research (2003-411084)	-----	Operation Research & Management (2003-411126)	-----
Friday 23.11.2012	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
Friday 02.11.2012	Energy Management (2003-403147)	-----	-----	-----
Saturday 03.11.2012	Switchgear & Protection (2003-403148)	-----	-----	-----
Monday 05.11.2012	Digital Control System (2003-403149)	Electrical Machine III (1997-403151) Refer T.E.(Electrical- 2003 Time Table for Date & Time	-----	-----
Tuesday 06.11.2012	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	-----	-----
Wednesday 07.11.2012	Power System Operation & Control (2003-403141)	-----	-----	Microprocessor Techniques (1997-403161)
Friday 09.11.2012	Utilization of Electrical Energy (2003-403142)	-----	-----	Electrical Power II (1997-403162)
Monday 19.11.2012	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)
Wednesday 21.11.2012	Control System II (2003-403145)	Design of Electrical Machines (1997-403145) Refer T.E. (Electrical) (2003) Time Table for Date & Time	-----	-----
Friday 23.11.2012	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
Friday 02.11.2012	Electronics Measurement System (2003-404222)	-----
Saturday 03.11.2012	Telecom Networks & Management (2003-404223)	Consumer Electronics (404189)
Monday 05.11.2012	Optical & Microwave Communication (2003-404224)	Communication Network (404188)
Tuesday 06.11.2012	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
Wednesday 07.11.2012	Computer Network (2003-404214)	Computer Architecture (1997-404181)
Friday 09.11.2012	Voice Network (2003-404215)	Digital Signal Processing (1997-404183)
Monday 19.11.2012	Electronics Product Design (2003-404216)	Radiation & Microwave Techniques (1997-404182)
Wednesday 21.11.2012	VLSI Design (2003-404217)	Elective I (1997-404185) VLSI Design
Friday 23.11.2012	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 26.11.2012	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
Friday 02.11.2012	Electronics Measurement System (2003-404209)	-----
Saturday 03.11.2012	Management Information System (2003-404210)	Modern Electronics System (1997-404208)
Monday 05.11.2012	Biomedical Electronics (2003-404211)	Computer Based Simulation Modeling (1997-404209)
Tuesday 06.11.2012	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
Wednesday 07.11.2012	Computer Network (2003-404201)	Electronics Communication –II (1997 – 404201)
Friday 09.11.2012	Electronic Product Design (2003-404202)	-----
Monday 19.11.2012	Advanced Power Electronics (2003-404203)	Digital Signal Processing & Application (1997-404203)
Wednesday 21.11.2012	VLSI Design (2003-404204)	VLSI Design (1997-404210)
Friday 23.11.2012	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 26.11.2012	-----	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
Friday 02.11.2012	-----	Computer Technique (1997-404227)
Saturday 03.11.2012	-----	Biomedical Engineering (1997-404228)
Monday 05.11.2012	-----	Robotics & C.N.C. (1997-404229)
Tuesday 06.11.2012	-----	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
Wednesday 07.11.2012	-----	Digital Signal Processing (1997-404221)
Friday 09.11.2012	-----	Power Electronics Drives and Applications (1997-404222)
Monday 19.11.2012	-----	Power Electronics-II (1997-404202) Electronic System Design (1997-404223)
Wednesday 21.11.2012	-----	Industrial Instrumentation (1997-404224)
Friday 23.11.2012	-----	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 26.11.2012	-----	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
Friday 02.11.2012	-----	Furnace Technology (405309)	-----	Structure of Metallurgy (1997-405322)
Saturday 03.11.2012	-----	Modern Materials Technology (405310)	-----	-----
Monday 05.11.2012	-----	Industrial Organization and Management II (405311)	-----	-----
Tuesday 06.11.2012	-----	Structural Metallurgy (1997 - 405303)	-----	-----
Wednesday 07.11.2012	-----	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
Friday 09.11.2012	-----	Advanced Manu- facturing Processes (1997-405305)	-----	Technical Control & Management (1997-405321)
Monday 19.11.2012	-----	-----	-----	Industrial Metallurgy II (1997-405322)
Wednesday 21.11.2012	-----	Selection of Materials & Failure Analysis (1997-405304)	-----	Selection of Materials & Failure Analysis (1997-405304)
Friday 23.11.2012	-----	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 26.11.2012	-----	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
Friday 02.11.2012	Process Instrumentation – II (2003-406267)	-----
Saturday 03.11.2012	Computer Technology & Application (2003-406268)	-----
Monday 05.11.2012	Industrial Automation (2003- 406269)	-----
Tuesday 06.11.2012	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
Wednesday 07.11.2012	Process Instrumentation I (2003-406261)	-----
Friday 09.11.2012	Project Engineering & Management (2003-406262)	-----
Monday 19.11.2012	Digital Control (2003-406263)	-----
Wednesday 21.11.2012	-----	DCS & Communication protocols (1997-406265)
Friday 23.11.2012	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 26.11.2012	-----	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
Friday 02.11.2012	Technology of Grevere & Flexo Graphy. (2003-408288)	-----
Saturday 03.11.2012	Assembly & Maintenance of Printing Machine (2003-408289)	-----
Monday 05.11.2012	Substrates & Ink Technology (2003-408290)	-----
Tuesday 06.11.2012	Elective - II (2003-408287) 1. Study of Materials & Package Design 2. Image Conversion & Modification 3. Study of Advt. & Multimedia 4. Information Technology	-----
Wednesday 07.11.2012	Costing & Estimating & Project Management, Operation Research (2003-408282)	-----
Friday 09.11.2012	Surface Preparation-II (2003-408283)	-----
Monday 19.11.2012	Offset Machine-II (2003-408284)	-----
Wednesday 21.11.2012	Electronic Image Setting (2003-408285)	-----
Friday 23.11.2012	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
Friday 02.11.2012	Process Modeling & Simulation (2003-409349)	Plant Design & Project Engineering (1997-409347)
Saturday 03.11.2012	Project Costing & Appraisal (2003-409350)	Process Modeling & Simulation (1997-409348)
Monday 05.11.2012	Chemical Plant Engineering (2003-409351)	Transport Phenomena (1997-405344)
Tuesday 06.11.2012	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)
Wednesday 07.11.2012	Process Dynamics and Control (2003-409342)	Mass Transfer II (1997 -409342) Refer to T.E. (Chemical) Time Table for Date & Time
Friday 09.11.2012	Chemical Reaction Engg. II (2003-409343)	-----
Monday 19.11.2012	Chemical Process Synthesis (2003-409344)	-----
Wednesday 21.11.2012	Process Equipment Design II (2003-409345)	-----
Friday 23.11.2012	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
Friday 02.11.2012	Product Design & Computer Application (2003-404368)	-----
Saturday 03.11.2012	Polymer Processing Operations II (2003-409369)	-----
Monday 05.11.2012	Industrial Management & Process Economics (2003-409370)	-----
Tuesday 06.11.2012	Elective - II (2003-409367) 1. Specialty Polymer 2. Fiber Technology 3. Mechanics of Composites 4. Packing Technology	-----
Wednesday 07.11.2012	Polymer Structure & Property Relationship (2003-409361)	-----
Friday 09.11.2012	Polymer Processing Operations I (2003-409362)	-----
Monday 19.11.2012	Polymer Composites & Blends (2003-404363)	-----
Wednesday 21.11.2012	Mould & Die Design (2003-409364) *2.30pm to 6.30pm	-----
Friday 23.11.2012	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
Friday 02.11.2012	Reservoir Engineering II (2003-412388)	-----
Saturday 03.11.2012	Petroleum Production Engineering II (2003-412389)	-----
Monday 05.11.2012	Oil well Drilling Engineering (2003-412390)	-----
Tuesday 06.11.2012	Elective – II (2003-412391) 1. Petroleum Economics 2. Integrated Reservoir Management 3. Deepwater Technology	-----
Wednesday 07.11.2012	Reservoir Engineering I (2003-412381)	-----
Friday 09.11.2012	Petroleum Exploration (2003-412382)	-----
Monday 19.11.2012	Formation Evaluation (2003-412383)	-----
Wednesday 21.11.2012	Natural Gas Engineering (2003-412384)	-----
Friday 23.11.2012	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
Friday 02.11.2012	Refinery Process Design (2003-412407)	-----
Saturday 03.11.2012	Natural Gas Technology (2003-412408)	-----
Monday 05.11.2012	Process Economics & Project Engineering (2003-412409)	-----
Tuesday 06.11.2012	Elective II (2003-412411) 1. Catalysis Technology And Fluidization Engineering 2. Biochemical Engineering 3. Petroleum Exploration And Production Operation	-----
Wednesday 07.11.2012	Refining Operation (2003-412401)	-----
Friday 09.11.2012	Petrochemical Processes (2003-412402)	-----
Monday 19.11.2012	Reaction Engineering II (2003-412403)	-----
Wednesday 21.11.2012	Process Dynamics, & Control (2003-412404)	-----
Friday 23.11.2012	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
Friday 02.11.2012	Networks & Information Security (2003-410448)	-----
Saturday 03.11.2012	Advanced Computer Architecture & Computing (2003-410449)	Project Planning & Management (1997-410250)
Monday 05.11.2012	Software Testing & Quality Assurance (2003-410450)	Multimedia Techniques (1997-410252)
Tuesday 06.11.2012	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
Wednesday 07.11.2012	Design & Analysis of Algorithms (2003-410441)	-----
Friday 09.11.2012	Operating Systems (2003-410442)	-----
Monday 19.11.2012	Object Oriented Modeling & Design (2003-410443)	-----
Wednesday 21.11.2012	Principles of Compiler Design (2003-410444)	-----
Friday 23.11.2012	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 26.11.2012	-----	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
Friday 02.11.2012	System Operation and Maintenance (2003-414448)	-----
Saturday 03.11.2012	Distributed System (2003-414449)	-----
Monday 05.11.2012	Information Retrieval (2003-414450)	-----
Tuesday 06.11.2012	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
Wednesday 07.11.2012	Information System Security (2003-414441)	-----
Friday 09.11.2012	Advanced Database Management (2003-414442)	-----
Monday 19.11.2012	Object Oriented Modeling & Design (2003-414443)	-----
Wednesday 21.11.2012	Software Testing & Quality Assurance (2003-414444)	-----
Friday 23.11.2012	Elective-I (2003-414445) (1) Bio-informatics (2) Mobile Computing (3) GIS & Remote Sensing (4) Org. Behaviour & Mgmt.	-----
Monday 26.11.2012	-----	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
Friday 02.11.2012	Analytical Biotechnology (2003 – 416288)
Saturday 03.11.2012	Bioinformatics and Regulations (2003 – 416288)
Monday 05.11.2012	Plant Engineering (2003 – 409289)
Tuesday 06.11.2012	Elective II (2003 – 416286) 1) Biomaterials 2) Food Biotechnology 3) Nano Biotechnology 4) Biothicks & Biosafety
Wednesday 07.11.2012	Enzyme and Fermentation Engineering (2003 – 416282)
Friday 09.11.2012	Chemical Reaction Engineering – II (2003 – 409343)
Monday 19.11.2012	Bioprocess Equipment Design (2003 – 416283)
Wednesday 21.11.2012	Novel Separation Techniques (2003 – 416284)
Friday 23.11.2012	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 15.10.2012 to 31.10.2012
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/ 1097
Date: 15/10/2012

Dr.Sampada Joshi
Controller of Examination