

University of Pune

Examination Circular No. 299 of 2009

Revised Programme of B.E. (All Courses–All Branches) Examinations, Nov./Dec., 2009

1. Candidates are required to be present at the place of examination **fifteen minutes** before the time of first paper and ten minutes before the time of each subsequent 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 the examination regularly for changes, if any, notified later in the Programme.
4. The centres and places of the examinations will be as follows :

<i>Centre</i>	<i>College</i>
1. Pune	1 Maharashtra Institute of Technology, Pune-411038.
	2 Bharati Vidyapeeth's College of Engineering, Pune-411043.
	3 B. V. College of Engg. for Women, Pune-411043.
	4 V.I.T., Pune-411037.
	5 P.I.C.T., Pune-411043.
	6 Cusrow Wadia Institute of Technology, Pune-411001.
	7 P.V.G.'s C.O.E.T., Pune-411009.
	8 Pad. Dr. D.Y. Patil College of Engineering, Nigadi, Pune-411018.
	9 Pad. Dr. D.Y. Patil Institute of Engineering & Technology, Pimpri, Pune-18.
	10 H.S.S.S.'s Cummins College of Engineering for Women, Pune-411052.
	11 A.I.S.S.M.S. College of Engineering, Kennedy Road for Women, Pune-411001.
	12 A.I.S.S.M.S. Institute of Technology, Kennedy Road, Pune- 411001.(Repeated students of P.I.E.T.'s College of Engineering, Shivajinagar, Pune - 411 005
	13 Army Institute of Technology, Dighi Hills, Pune-411015.
	14 Sinhgad College of Engineering, Vadgaon Bk., Pune-411041.
	15 PDES's College of Engineering, Hadapsar, Pune-411028.
	16 MAEER's College of Engg., Kedgaon, Alandi.
	17 GSM Trust's College of Engg., Balewadi, Pune-411045.
	18 PES Modern College of Engg., Pune-411005.
	19 MES's College of Engg., Pune-411001.
	20 Pimpri-Chichwad Educational Trust College of Engg., Nigadi, Pune.
	21 M.A.E.E.R. College of Engg. for Women, Pune-411038.
	22 Smt. Kashibai Navale College of Engg. Vadgaon Bk., Pune-411041.
	23 Rajarshi Shahu College of Engg., Tathwade, Pune-411033.
	24 V.I.I.T. College of Engineering, S.No. 2/3/4, Kondhwa (Bk), Pune-411048.

[P.T.O.]

B.E. (All Courses-All Branches) / 2

- 25 Jaywantrao Sawant College of Engineering, Hadapsar, Pune-411028.
 - 26 Sinhgad Technical Education Society's Sinhgad Institute of Technology, Kusgaon, Lonavala,. Dist-Pune
 - 27 Siddhant College of Engineering, Chakan-Talegaon Rd., Sudumbare, Dist. Pune
 - 28 Sinhgad Academy of Engineering, Kondhwa (Bk), Pune 411048
 - 29 Marathwada Mitra Mandal College of Engineering, Pune 411052
 - 30 G.H. Raisonni College of Engineering, Wagholi, Pune 412012
 - 31 S.S.M.S. Padmabhushan Vasantdada Patil Inst. of Tech., Bawadhan (Kd), Pune 411038
 - 32 J.S.P.M.'s Imperial College of Engineering & Research, Pune-Nagar Road, Wagholi, Pune 412012
 - 33 P.G.M.T.'s Parvatibai Genba Moze College of Engineering, Wagholi, Pune 412012
2. Malegaon (Bk.) College of Engineering Malegaon (Bk), Tal. Baramati, Dist. Pune.
 3. Baramati V.P.College of Engineering, Vidyanagari, Bhigawan Road, Baramati, Pune -411 133
 4. Ahmednagar College of Engineering, Ahmednagar.
 5. Sangamner (Amrutnagar) College of Engineering, Sangamner.
 6. Pravaranagar (Loni) College of Engineering, Pravaranagar (Loni)
 7. Kopargaon College of Engineering, Kopargaon .
 8. Nasik
 - 1 K. K. Wagh College of Engineering, Nasik.
 - 2 N.D.M.V.P. Samaj's Karmaveer Adv. Baburao Ganpatrao Thakare, College of Engineering, Gangapur, Nashik
 - 3 M.E.T. College of Engineering, Adgaon, Nashik
 - 4 J.S.S.'s College of Engineering, Nagar-Manmad Road, Babhulgaon, Yeola, Dist. Nashik.
 - 5 S. V. Institute of Technology, A/p - Chincholi - 422 101, Tal. Sinnar, Dist – Nashik
 - 6 S.N.J.B.'s College of Engineering, Chandwad, Dist - Nashik

B.E. (All Courses-All Branches) / 3

5. 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
Tuesday, 17.11.2009	Dams & Hydraulic Structures (2003-401008)	-----
Thursday, 19.11.2009	Transportation Engg. II (2003-401009)	-----
Saturday, 21.11.2009	Foundation Engg. (2003-401010)	-----
Tuesday, 24.11.2009	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
Monday, 30.11.2009	Hydrology & Irrigation (2003-401001)	-----
Wednesday, 02.12.2009	Environmental Engg. II (2003-401002)	-----
Friday, 04.12.2009	Quantity Surveying Contracts & Tenders (2003-401003) *(2-30 p.m. to 6-30 p.m.)	-----
Monday, 07.12.2009	Structural Design III (2003-401004) *(2-30 p.m. to 6-30 p.m.)	-----
Wednesday, 09.12.2009	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 Environmental 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. (All Courses-All Branches) / 4
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
Tuesday, 17.11.2009	Control CAD/CAM & Automation (2003-402047)	-----	CAD/CAM & Automation (2003-402048)	Manufacturing Management (1997-402067)
Thursday, 19.11.2009	Power Plant Engg. (2003-402048)	-----	-----	-----
Saturday, 21.11.2009	Industrial Fluid Power (2003-402049)	-----	-----	-----
Tuesday, 24.11.2009	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 2. M/C Tool 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)
Monday, 30.11.2009	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.)	-----
Wednesday, 02.12.2009	Dynamics of Machinery (2003-402042)	Applied Thermodynamics-III (1997-402043)	Dynamics of Machinery (2003-402042)	Elective-I Applied Thermodynamics-III (1997-402065)
Friday, 04.12.2009	Mechatronics (2003-402043)	Industrial Mgt. II (1997-411044) Refer T.E. Mech.(2003) Time Table for date & time	-----	Fluid Machinery & Fluid power (1997-402062)
Monday, 07.12.2009	Gas Turbines and Jet Propulsion (2003-402044)	Elective I (1997-402045) 1. Refrigeration & Air Conditioning (Refer T.E. Mech.(2003) for Date & Time table) 2. Tribology (Refer T.E. Mech.(2003) Time Table for Date & Time 3. Plant Engineering	Industrial Hydraulics & Pneumatics (2003-402062)	-----
Wednesday, 09.12.2009	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

*** Please note the timing**

B.E. (All Courses-All Branches) / 5**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
Tuesday, 17.11.2009	Flexible Manufacturing System (2003-411108)	-----
Thursday, 19.11.2009	Advanced Manufacturing Processes (2003-411009)	Industrial Engineering Applications in service Sector (1997-411109)
Saturday, 21.11.2009	Energy Management (2003-411110)	Development of Human Resources (411110)
Tuesday, 24.11.2009	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.
Monday, 30.11.2009	Quantitative Techniques (2003-411101)	Material Control (1997-411101)
Wednesday, 02.12.2009	Business Accounting & Costing (2003-411102)	-----
Friday, 04.12.2009	Human Factors Engineering (2003-411103)	Work study Applications (1997-411103) Refer T.E. (Ind. Engg.) (2003) Time Table for Date & Time
Monday, 07.12.2009	Logistics Warehousing (2003-411104)	-----
Wednesday, 09.12.2009	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. (All Courses-All Branches) / 6

B.E. (Production Engineering/) B.E. (Produ. 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
Tuesday, 17.11.2009	Material & Financial Management (2003-411087)	Industrial Relation & Manufacturers Management (1997-411125)	-----	Industrial Relation & Manufacturers Management (1997-411125)
Thursday, 19.11.2009	Process Planning & Tools Selection (2003- 411088)	-----	-----	-----
Saturday, 21.11.2009	CAD/CAM/CIM (2003-411089)	-----	-----	-----
Tuesday, 24.11.2009	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	-----
Monday, 30.11.2009	Production Management (2003-411081)	-----	Mechatronics & Robotics (2003-411121)	-----
Wednesday, 02.12.2009	Machine Tool Design (2003-411082)	-----	Machine Tool Design (2003-411082)	-----
Friday, 04.12.2009	Manufacturing Automation and Control (2003-411083)	-----	Manufacturing Automation and Control (2003-411083)	-----
Monday, 07.12.2009	Operation Research (2003-411084)	-----	Operation Research & Management (2003-411126)	-----
Wednesday, 09.12.2009	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) 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. (All Courses-All Branches) / 7

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
Tuesday, 17.11.2009	Energy Management (2003-403147)	-----	-----	-----
Thursday, 19.11.2009	Switchgear & Protection (2003-403148)	-----	-----	-----
Saturday, 21.11.2009	Digital Control System (2003-403149)	Electrical Machine III (1997-403151)	-----	-----
Tuesday, 24.11.2009	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	-----	-----
Monday, 30.11.2009	Power System Operation & Control (2003-403141)	-----	-----	Microprocessor Techniques (1997-403161)
Wednesday, 02.12.2009	Utilization of Electrical Energy (2003-403142)	-----	-----	Electrical Power II (1997-403162)
Friday, 04.12.2009	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)
Monday, 07.12.2009	Control System II (2003-403145)	Design of Electrical Machines (1997-403145) Refer T.E. (Electrical) (2003) Time Table for Date & Time	-----	-----
Wednesday, 09.12.2009	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. (All Courses-All Branches) / 8**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
Tuesday, 17.11.2009	Electronics Measurement System (2003-404222)	-----
Thursday, 19.11.2009	Telecom Networks & Management (2003-404223)	Consumer Electronics (404189)
Saturday, 21.11.2009	Optical & Microwave Communication (2003-404224)	Communication Network (404189)
Tuesday, 24.11.2009	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
Monday, 30.11.2009	Computer Network (2003-404214)	Computer Architecture (1997-404181)
Wednesday, 02.12.2009	Voice Network (2003-404215)	Digital Signal Processing (1997-404183)
Friday, 04.12.2009	Electronics Product Design (2003-404216)	Radiation & Microwave Techniques (1997-404182)
Monday, 07.12.2009	VLSI Design (2003-404217)	Elective I (1997-404185) VLSI Design
Wednesday, 09.12.2009	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
Friday, 11.12.2009	Elective - II (2003-404225) Audio-Video Engg.	Elective -I (1997-404185) Auto-Video Engg.

B.E. (All Courses-All Branches) / 9

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
Tuesday, 17.11.2009	Electronics Measurement System (2003-404209)	Electronic System Design (1997-404207)
Thursday, 19.11.2009	Management Information System (2003-404210)	Modern Electronics System (1997-404208)
Saturday, 21.11.2009	Biomedical Electronics (2003-404211)	Computer Based Simulation Modeling (1997-404209)
Tuesday, 24.11.2009	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
Monday, 30.11.2009	Computer Network (2003-404201)	-----
Wednesday, 02.12.2009	Electronic Product Design (2003-404202)	-----
Friday, 04.12.2009	Advanced Power Electronics (2003-404203)	Digital Signal Processing & Application (1997-404203)
Monday, 07.12.2009	VLSI Design (2003-404204)	VLSI Design (1997-404210)
Wednesday, 09.12.2009	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
Friday, 11.12.2009	-----	Elective-I (1997-404185) Audio-Video Engg.

B.E. (All Courses-All Branches) / 10**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
Tuesday, 17.11.2009	-----	Computer Technique (1997-404227)
Thursday, 19.11.2009	-----	Biomedical Engineering (1997-404228)
Saturday, 21.11.2009	-----	Robotics & C.N.C. (1997-404229)
Tuesday, 24.11.2009	-----	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
Monday, 30.11.2009	-----	Digital Signal Processing (1997-404221)
Wednesday, 02.12.2009	-----	Power Electronics Drives and Applications (1997-404222)
Friday, 04.12.2009	-----	Power Electronics-II (1997-404202) Electronic System Design (1997-404223)
Monday, 07.12.2009	-----	Industrial Instrumentation (1997-404224)
Wednesday, 09.12.2009	-----	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
Friday, 11.12.2009	-----	Elective I (1997-404185) Audio-Video Engg.

B.E. (All Courses-All Branches) / 11

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
Tuesday, 17.11.2009	-----	Furnace Technology (405309)	-----	Structure of Metallurgy (1997-405322)
Thursday, 19.11.2009	-----	Modern Materials Technology (405310)	-----	-----
Saturday, 21.11.2009	-----	Industrial Organization and Management II (405311)	-----	-----
Tuesday, 24.11.2009	-----	Structural Metallurgy (1997 - 405303)	-----	-----
Monday, 30.11.2009	-----	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
Wednesday, 02.12.2009	-----	Advanced Manu- facturing Processes (1997-405305)	-----	Technical Control & Management (1997-405321)
Friday, 04.12.2009	-----	Structural Materials & Failure Analysis (1997- 405304)	-----	Industrial Metallurgy II (1997-405322)
Monday, 07.12.2009	-----	Selection of Materials & Failure Analysis (1997-405304)	-----	Selection of Materials & Failure Analysis (1997-405304)
Wednesday, 09.12.2009	-----	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)
Friday, 11.12.2009	-----	Elective I (405301) 1. Engineering Materials Technology 2. Corrosion & Corrosion Control 3. Energy Resources & Applications 4. Processes of Ore Formation	-----	-----

B.E. (All Courses-All Branches) / 12

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
Tuesday, 17.11.2009	Process Instrumentation - II (2003-406267)	-----
Thursday, 19.11.2009	Computer Technology & Application (2003-406268)	-----
Saturday, 21.11.2009	Industrial Automation (2003-406269)	Instrumentation & System Design (1997-406271)
Tuesday, 24.11.2009	Elective - II (2003-406270) 1. Adv. Biomedical Instrumentation 2. Power Plant Instrumentation 3. Fiber Optic Instrumentation 4. Process Modeling & Optimization	Elective II (1997-406268) 1. Process Modeling and Optimization 2. Instrumentation for Agriculture & Food Processing
Monday, 30.11.2009	Process Instrumentation I (2003-406261)	-----
Wednesday, 02.12.2009	Project Engineering & Management (2003-406262)	-----
Friday, 04.12.2009	Digital Control (2003-406263)	-----
Monday, 07.12.2009	-----	DCS & Communication protocols (1997-406265)
Wednesday, 09.12.2009	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

B.E. (All Courses-All Branches) / 13

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
Tuesday, 17.11.2009	Technology of Grevere & Flexo Graphy. (2003-408288)	Technology of Gravere & Flexo Printing (1997-408289)
Thursday, 19.11.2009	Assembly & Maintenance of Printing Machine (2003-408289)	Study of Advertising & Multimedia (1997-408290)
Saturday, 21.11.2009	Substrates & Ink Technology (2003-408290)	Principle & Practice of Printing Management (1997-408291)
Tuesday, 24.11.2009	Elective - II (2003-408287) 1. Study of Materials & Package Design 2. Image Conversion & Modification 3. Study of Advt. & Multimedia 4. Information Technology	Elective II (408288) 1. Image Conversion & Modification 2. Study of Assembly & Maintenance of Ptg. M/c 3. Study of Package Design & Materials 4. Information Technology
Monday, 30.11.2009	Costing & Estimating & Project Management, Operation Research (2003-408282)	Colour separation correction and Scanner Technology (1997-408282)
Wednesday, 02.12.2009	Surface Preparation-II (2003-408283)	Modern Techniques in surface Preparation (1997-408283)
Friday, 04.12.2009	Offset Machine-II (2003-408284)	Web Fed Printing (1997-408284)
Monday, 07.12.2009	Electronic Image Setting (2003-408285)	Electronic Image Setting (1997-408285)
Wednesday, 09.12.2009	Elective I (2003-408281) 1. Newspaper Technology 2. Flexible Packaging 3. Security Printing	Elective I (1997-408281) 1. News Paper Technology 2. Flexible Packaging 3. Paper & Ink Technology

B.E. (All Courses-All Branches) / 14**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
Tuesday, 17.11.2009	Process Modeling & Simulation (2003-409349)	Plant Design & Project Engineering (1997-409347)
Thursday, 19.11.2009	Project Costing & Appraisal (2003-409350)	Process Modeling & Simulation (1997-409348)
Saturday, 21.11.2009	Chemical Plant Engineering (2003-409351)	Transport Phenomena (1997-405344)
Tuesday, 24.11.2009	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)
Monday, 30.11.2009	Process Dynamics and Control (2003-409342)	Mass Transfer II Refer to T.E. (Chemical) Time Table for Date & Time
Wednesday, 02.12.2009	Chemical Reaction Engg. II (2003-409343)	-----
Friday, 04.12.2009	Chemical Process Synthesis (2003-409344)	-----
Monday, 07.12.2009	Process Equipment Design II (2003-409345)	-----
Wednesday, 09.12.2009	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. (All Courses-All Branches) / 15

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
Tuesday, 17.11.2009	Product Design & Computer Application (2003-404368)	-----
Thursday, 19.11.2009	Polymer Processing Operations II (2003-409369)	Polymer Processing Operations II (1997-409370)
Saturday, 21.11.2009	Industrial Management & Process Economics (2003-409370)	Industrial Management & Process Economics (1997-409371)
Tuesday, 24.11.2009	Elective - II (2003-409367) 1. Specialty Polymer 2. Fiber Technology 3. Mechanics of Composites 4. Packing Technology	Elective (1997-409368) 1. Elastomer Technology 2. Fiber Technology 3. Surface Coating & Adhesives
Monday, 30.11.2009	Polymer Structure & Property Relationship (2003-409361)	-----
Wednesday, 02.12.2009	Polymer Processing Operations I (2003-409362)	-----
Friday, 04.12.2009	Polymer Composites & Blends (2003-404363)	-----
Monday, 07.12.2009	Mould & Die Design (2003-409364) *2.30pm to 6.30pm	-----
Wednesday, 09.12.2009	Elective - I (2003-409366) 1. Polymer Reaction Engg. 2. Rubber Technology 3. Surface Coating and Adhesive 4. Advanced Polymer Rheology	-----

B.E. (All Courses-All Branches) / 16**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
Tuesday, 17.11.2009	Reservoir Engineering II (2003-412388)	-----
Thursday, 19.11.2009	Petroleum Production Engineering II (2003-412389)	-----
Saturday, 21.11.2009	Oil well Drilling Engineering (2003-412390)	-----
Tuesday, 24.11.2009	Elective – II (2003-412391) 1. Petroleum Economics 2. Integrated Reservoir Management 3. Deepwater Technology	-----
Monday, 30.11.2009	Reservoir Engineering I (2003-412381)	-----
Wednesday, 02.12.2009	Petroleum Exploration (2003-412382)	-----
Friday, 04.12.2009	Formation Evaluation (2003-412383)	-----
Monday, 07.12.2009	Natural Gas Engineering (2003-412384)	-----
Wednesday, 09.12.2009	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	Elective (1997-412385) 1. Oilfield Development 2. Alternate Hydrocarbon Resources 3. Environmental Engineering in Petroleum Industry

B.E. (All Courses-All Branches) / 17**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
Tuesday, 17.11.2009	Refinery Process Design (2003-412407)	-----
Thursday, 19.11.2009	Natural Gas Technology (2003-412408)	-----
Saturday, 21.11.2009	Process Economics & Project Engineering (2003-412409)	Process Plant & Project Engineering (1997-412409)
Tuesday, 24.11.2009	Elective II (2003-412411) 1. Catalysis Technology And Fluidization Engineering 2. Biochemical Engineering 3. Petroleum Exploration And Production Operation	Elective II (1997-412410) 1. Energy Engineering
Monday, 30.11.2009	Refining Operation (2003-412401)	-----
Wednesday, 02.12.2009	Petrochemical Processes (2003-412402)	-----
Friday, 04.12.2009	Reaction Engineering II (2003-412403)	-----
Monday, 07.12.2009	Process Dynamics, & Control (2003-412404)	-----
Wednesday, 09.12.2009	Elective I (2003-412405) 1. Environmental Engg. 2. Novel Separation Process 3. Interface and Colloid Science	Elective I (1997-412405) 1. Information Technology 2. Polymer Science & Technology

B.E. (All Courses-All Branches) / 18**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
Tuesday, 17.11.2009	Networks & Information Security (2003-410448)	-----
Thursday, 19.11.2009	Advanced Computer Architecture & Computing (2003-410449)	Project Planning & Management (1997-410250)
Saturday, 21.11.2009	Software Testing & Quality Assurance (2003-410450)	Multimedia Techniques (1997-410252)
Tuesday, 24.11.2009	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
Monday, 30.11.2009	Design & Analysis of Algorithms (2003-410441)	Computer Network (1997-410241)
Wednesday, 02.12.2009	Operating Systems (2003-410242)	-----
Friday, 04.12.2009	Object Oriented Modeling & Design (2003-410443)	-----
Monday, 07.12.2009	Principles of Compiler Design (2003-410444)	-----
Wednesday, 09.12.2009	Elective I (2003-410445) 1. Image Processing 2. Advanced Databases 3. Artificial Intelligence 4. Multimedia System	Elective I (1997-410245) 1. Digital System Design

B.E. (All Courses-All Branches) / 19**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
Tuesday, 17.11.2009	System Operation and Maintenance (2003-414448)	-----
Thursday, 19.11.2009	Distributed System (2003-414449)	-----
Saturday, 21.11.2009	Information Retrieval (2003-414450)	-----
Tuesday, 24.11.2009	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
Monday, 30.11.2009	Information System Security (2003-414441)	-----
Wednesday, 02.12.2009	Advanced Database Management (2003-414442)	-----
Friday, 04.12.2009	Object Oriented Modeling & Design (2003-414443)	-----
Monday, 07.12.2009	Software Testing & Quality Assurance (2003-414444)	-----
Wednesday, 09.12.2009	Elective-I (2003-414445) (1) Bio-informatics (2) Mobile Computing (3) GIS & Remote Sensing (4) Org. Behaviour & Mgmt.	-----
Friday, 11.12.2009	-----	Elective-I (1997-410445) (1) Managerial Economics 2) ERP

B.E. (All Courses-All Branches) / 20

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

Day & Date	B.E. (Biotechnology) 2003 Course
Tuesday, 17.11.2009	-----
Thursday, 19.11.2009	-----
Saturday, 21.11.2009	-----
Tuesday, 24.11.2009	-----
Monday, 30.11.2009	Enzyme and Fermentation Engineering (2003 – 416282)
Wednesday, 02.12.2009	Chemical Reaction Engineering – II (2003 – 409343)
Friday, 04.12.2009	Bioprocess Equipment Design (2003 – 416283)
Monday, 07.12.2009	Novel Separation Techniques (2003 – 416284)
Wednesday, 09.12.2009	Elective I – (2003 – 416281) 1) Pharmaceutical Biotechnology 2) Environmental Biotechnology

B.E. (All Courses-All Branches) / 21

6. The Practical/Oral/Project Examination will be conducted from 30-10-2009 to 15-11-2009.
7. Candidates are permitted to use the stencils at the time of examination.
8. 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.
9. Use of non-programmable battery operated electronic calculator of pocket size is allowed. The exchange of calculator is not allowed.
10. 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/1430
Date : 24/10/2009

S.M. Ahire
In-Charge Controller of Examinations