S- 79 /2012

M.E. (2002 Course)

Examination, December, 2012

UNIVERSITY OF PUNE



EXAMINATION CIRCULAR No - 79 of 2012

Programme of the M.E. Course (Four - Semester) (2002 Course) (All Branches) (Civil, Mechanical, Elect. & Telecom., Electronics, Electrical, Production, Computer, Petroleum, Instrumentation Process & Biomedical Instrumentation, Computer Science & Engineering(IT), Computer Science Information Technology, Industrial, Chemical and Polymer Engineering Examination, December, 2012.

	Instructions:						
1.	Candidates are required to be present at the respective place of examination fifteen minutes before the time fixed for the first Paper & 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.	Use of Non-programmable Electronic Calculator is only allowed.						
4.	No request for any Special Concession, such as change in time or any day fixed for the University examination, on religious or any other ground shall be granted.						
5.	The Centre and Place of the examination of respective branches will be as follows :						

Sr. No.	Name of the Colleges	Pune Centre/Place
1.	Govt. C.O.E, Shivajinagar, Pune-411005	D.Y. Patil College of Engineering, Pimpri,
2.	M.I.T COE, Paud Road., Pune – 38.	Pune – 18
3.	V.I.T., Bibvewadi, Pune-411037	(All students of Pune Centre for Civil,
4.	P.I.C.T. Pune – 411043	Mechanical, Computer, Computer Network
5.	P.V.G.'s C.O.E & Tech., Pune-411009	Branches)
6.	Dr. D. Y. Patil C.O.E Akurdi, Pune 411044	
7.	Sinhgad Inst.Tech. Vadgaon Bk., Pune -41	
8.	R.Shahu C.O.E, Tathawade, Pune-411033	P.V.G.'s College of Engineering & Technology, Pune-411009. (All students of Pune Centre for All Branches other than Civil, Mechanical, Computer, Computer Network Branches)

Ahmednagar Center

Sr. No.	Name of the Colleges	Centre / Place
1. 2.	Pravara Rural College of Engineering, Loni College of Engineering, Kopargaon	All Branches at Pravara Rural College of Engineering, Loni, Tal. Rahata, Dist. Ahmednagar.
3.	Amrutvahini C.O.E, Sangamner.	

Nashik Center

Sr. No.	Name of the Colleges	Centre / Place	
	KK Wagh College of Engineering, Nashik.	All Branches at KK Wagh College of Engineering, Nashik - 422003	

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

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

Day and	(Civil) 2002 Course			
Date	Construction and Management	Hydraulic Engineering	Structures	
Saturday, 01.12.2012	*Statistical Analysis and Computational Methods Elective – II (510110)	Computational Methods in Hydraulic Engg. (501301)	*Numerical Methods and Finite Element Methods (501501)	
Monday, 03.12.2012	*Construction Equipment and Material Management (501102)	Hydrology and Ground	*Earthquake Resistant Design of Structure (501507)	
Tuesday,)4.12.2012	*Management and Project Planning in Construction (501101)	Fluid Mechanics (501302)	*Advanced Structural Mechanics (501503)	
Wednesday, 05.12.2012	*Project Economics and Financial Management (501108)	Sediment Transport and River Mechanics (501307)	*Plates and Shells (501506)	
Friday, 07.12.2012	*Construction Materials and Materials Management (501103)	*Irrigation and Drainage (501303)	*Reinforced Concrete Priestesses Concrete Design (501502)	
Saturday. 08.12.2012	*Operation Research (501109)	Concrete Earth & Rock fill Dams (501308)	*Advanced Design of Steel Structures (501508)	
Tuesday, 11.12.2012	*Construction Techniques (501104)	*Free Surface Flow (501304)	*Structural Dynamics (501504)	
Wednesday, 12.12.2012	*Professional Practices in Construction (501507)	Systems Engg. (501309)		
Thursday, 13.12.2012	Elective I (501106) * (a) Concrete Technology * (b) Construction Safety * (c) Adv. Constru. Engg. * (d) Human Resource Develop. in Constru. * (e) High Rise Structural and Building Services	Elective (501310) (a) Pipeline Hydraulic (b) Coastal Engineering (c) Computer aided design of Hydraulic structure (d) Water Resources Engg.	Elective I (501509) *(a) Bridge Engineering *(b) Experimental Stress Analysis *(c) Non-Linear Analysis of Structures *(d) Structural Optimization	
Friday, 14.12.2012	Elective II (501110) * (a) Value Engineering & Risk Analysis * (b) Infra Structure Development & Internal Contracting * (c) Rehabilitation Disaster Management * (d) TQM & MIS in Construction	Open Channel Hydraulic (501302)	Elective II (501510) * (a) High Rise Structures * (b) Structural Stability * (c) Structural Reliability * (d) Advance in Concrete Composites	

*Note : Papers marked are of four hours' duration (between 2-30 p.m. to 6-30 p.m.)

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

Day and	(Mechanical) 2002 Course				
Date	Heat Power Engineering 4	Design Engineering 5	Design Engineering (Old) 6	Weapon Old 7	
Saturday, 01.12.2012	Numerical Methods and Computational Tech. (502101)	Numerical Methods and Computational Techniques (502101)	Numerical Methods and Computational Tech. (502101)	Numerical Methods and Computational Tech. (502101)	
Monday, 03.12.2012	Advanced Fluid Mechanics (502106)	Design Engineering	Design Engineering (502204)	Explosives Propellants and Pyrotechnics (502703)	
Tuesday, 04.12.2012	Instrumentation and Automatic Control (502102)	Instrumentation and Automatic Control (502102)	Instrumentation and Automatic Control (502102)	Instrumentation and Automatic Control (502102)	
Wednesday, 05.12.2012	Thermal & Mechanical Design of Heat Exchangers(502107)	Material Handling Equipments Design Elective II	Material Handling Equipments Design Elective I	Design of Ordnance Basic Structure and Super Structure (502704)	
Friday, 07.12.2012	Advanced Thermodynamics (502103)	M/C Stress Analysis (502201)	M/C Stress Analysis (502201)	Material Science and Technology (502301)	
Saturday. 08.12.2012	Energy Conservation and Management (502108)	Analysis and Synthesis of Mechanism	Analysis and Synthesis of Mechanism (502206)	Ammunition (502705)	
Tuesday, 11.12.2012	Advanced Heat Transfer (502104)	Mechanical Vibrations (502202)	Mechanical Vibrations (502202)	Ballistics (502701)	
Wednesday, 12.12.2012	Elective I (502109) (1) I.C. Engine I (2) Environmental Pollution & Control (3) Advanced Refri .& Cryogenics (4) Theory & Design of Pumps Blowers & Compressors	Elective I (1) Machine Tool Design (2) Process Equipment Design (3) Robotics	Elective I (502207) a) Machine Tool Design b) Process Equipment Design	Elective I (a) Weapon System Production and Quality assurance (b) Tank Weapon and Amour (502706)	
Thursday, 13.12.2012	(1) I.C. Engine II (2) Non- Conventional Energy Sources (3) Advanced Air Condi. Heating (4)Gas Turbines	Elective II (1) Reliability Engineering (2) Computer Aided Design	Elective II (502208) a) Manufacturing Engineering & Tech. b) Industrial Drives & Systems Design c) Adv. Welding Tech.	Elective II (a) Weapon Thermodynamics, Heat Transfer and Weapon Dynamics (b) Small Arms and cannons (502707)	
Friday, 14.12.2012		Tribology	Tribology (502105)		

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

Day and	(E & TC) 2002 Course				
Date	Instrumentation	Instrumentation (Old)	Microwave	V.L.S.I. & Embedded System	
	8	9	10	11	
Saturday, 01.12.2012	Embedded System Design (504107)	Estimation and Coding of Signals (504101)	Statistical Signal Analysis & Stochastic Processes (504201)	Analog & Digital CMOS IC Design	
Monday, 03.12.2012		Advanced Microcontroller Techniques (504106)	Multiple Access Communication Systems (504206)	System Design Using PLDS.	
Tuesday, 04.12.2012	Communication Networks (504104)	Optical Communication (504102)	Communication Networks (504104)	Embedded System Design	
Wednesday, 05.12.2012	Intelligent Instrumentation (504106)	Electronic Instrumentation (504107)		Fault Tolerant System Design	
Friday, 07.12.2012	Advanced DSP (504102)	Advanced Digital Signal Processing (504103)	Advanced DSP (504102)	Real Time Operating Systems	
Saturday. 08.12.2012	Machine Vision Systems (504108)	Data Networks (504108)	RF and Microwave Circuit Design (504204)	Embedded Signal Processing	
Tuesday, 11.12.2012	Digital Control System (504103)	Active Network Synthesis (504104)	Antenna & Radiating Systems (504202)	ASIC Design and Modeling	
Wednesday, 12.12.2012	VLSI Design (504101)	a) Biomedical Instrumentation b) VLSI Design	Microelectronics (504205)	Elective I (a) RF IC Design (b) Design of Semiconductor Memories	
Thursday, 13.12.2012	Elective I (504109) (1) Reconfigurable Computing (2) High Performance Networks	Elective II (504110) a) Digital Control and Industrial Applications b) Image Processing Techniques	Elective I (504207) (1) Machine vision and Pattern Analysis (2) Network Security Systems	Elective II (a) Reconfigurable Computing (b) Case Studies in Embedded System	
Friday, 14.12.2012	Elective II (504110) (1) Industrial drives and control (2) Biomedical Instrumentation		Elective II (504208) (1) Integrated optics & Optical Communication (2) Continuous speech Processing		

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

Day and Date	(Electronics) 2002 Course		
	Digital Systems	Computer	
	12	13	
Saturday, 01.12.2012	Embedded System Design (504303)	Embedded System & Software (504402)	
Monday, 03.12.2012	Advanced Digital System Design (504306)		
Tuesday, 04.12.2012		Software Metrics (504401)	
Wednesday, 05.12.2012	Multimedia Techniques (504307)	Multimedia Systems (504406)	
Friday, 07.12.2012	D.S.P. & Application (504302)	D.S.P. and Application (504302)	
Saturday. 08.12.2012	Elective I (504309) (a) Parallel Computing (b) Image Processing & Pattern Recognition	Parallel processing Systems (504404)	
Tuesday, 11.12.2012	Computer Networks (504304)	Computer Networks (504304)	
Wednesday, 12.12.2012	Microelectronics (504301)	Systems on Chip (504405)	
Thursday, 13.12.2012	Elective II (504310) (a) Reconfigurable Computing (b) Expert Systems	Elective I (504407) (1) Artificial Intelligence & Expert Systems (2) High Performance Computer Networks	
Friday, 14.12.2012	Network Security Systems (504308)	Elective II (504408) (1) Compiler Construction (2) Applied Algorithms	

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

Day and	(Electrical) 2002 Course			
Date	Control Systems	Power System		
	14	15		
Saturday, 01.12.2012	Microcontroller & Application in Control System (503107)	Microcontroller & Application in Power System (503107)		
Monday, 03.12.2012	Identification & Adaptive Control (503108)	Power System Protection		
Tuesday, 04.12.2012	Optimization Techniques & Control (503106)	Power System Modeling (503203)		
Wednesday, 05.12.2012	Intelligent Control (503109)	Power System Planning and Reliability		
Friday, 07.12.2012	Non-Linear Control System (503102)	Computer Application in Power System (503202)		
Saturday. 08.12.2012	Automation & Robotics Elective (503110)	Power System Operation and Control		
Tuesday, 11.12.2012	Digital Control System (503101)	High Voltage Power Transmission (503204)		
Wednesday, 12.12.2012	Computer Method in Control System (503104)	Power System Dynamics		
Thursday, 13.12.2012	Elective (503110) (1) Digital Signal Processing (2) Process Control	Elective (1) Special Topics in High Voltage Engg. (2) Power Sector Economics Regulation & Restructuring (3) Advanced Microprocessor & Application (4) Power System Harmonics (5) Renewable Energy Systems (6) Artificial Neural Network & Fuzzy System		
Friday, 14.12.2012	(1) Multivariable Control System (503103)			

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

Day and Date	(Production) 2002 Course	(Computer) 2002 Course	(Petroleum) 2002 Course
	Production 16	Computer 17	Petroleum 18
Saturday, 01.12.2012	Advanced Mathematical Method	Embedded System Design Elective II	Numerical Method and Simulation in Petroleum Engineering
Monday, 03.12.2012	Hard and Soft Automation	Advanced Database Management Systems	Geographical Information Systems and Computer Application in Petroleum Industry
Tuesday, 04.12.2012	Microprocessor	Distributed Operating System	Horizontal & Multilateral Drilling
Wednesday, 05.12.2012	Robotics and its Industrial Applications	Mobile Computing	
Friday, 07.12.2012	Advanced Machine Tool Design C.I.M. Advanced	Advanced Computer Architecture Geometric & Solid Modeling	Artificial Lift & Stimulation Techniques Reservoir Characterization
Saturday. 08.12.2012	Manufacturing Processes	Geometric & Sond Modeling	& Management
Tuesday, 11.12.2012	CAD-CAM-FMS	Advanced Computer Network	Environment Management Technology & Safety Procedures
Wednesday, 12.12.2012	Elective I (1) Advanced Welding Techniques (2) Human Factors in Design and Manufacturing	Elective I (1) Network Security (2) Intelligent Systems (3) Speech Processing	Elective II (a) Advanced Natural Gas Engg. & Technology (b) Technology of Coal Bed Methance (c) Technology of Gas Hydrates (d) Analytical Techniques in Petroleum Geochemistry (e) International Business Strategies & Risk Analysis
Thursday, 13.12.2012	Elective II (1) Precision Engineering (2) Teri technology and Maintenance Management (3) Reliability Engineering	Elective II (1) Advances in Computer Techniques (2) Computer Vision (3) Bio-Informatics	Elective I (a) Well Control (b) Well Testing & Analysis (c) Reservoir Monitoring & Log Analysis (d) Advanced Heological Methods in Exploration & Production (e) Advanced Reservoir Petro-physics (f) Enhanced Oil Recovery
Friday, 14.12.2012	(2) Tribology Elective	Applied Algorithms	Offshore Technology

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

Day and	Instrumentation,	Computer Science	Computer Science
Date	Process & Biomedical	& Engineering (I.T.)	Information Technology
	Instrumentation,	Computer Science &	Computer Science I.T.
	Process & Biomedical	Engineering (I.T.)	
	19	20	21
Saturday,	Advanced Mathematics	Operating System	Operating System
01.12.2012	(506101)		
Monday,	Control System	Advance - Database	Advance - Database
03.12.2012	(506106)		System
Tuesday,	Advanced Electronic	Software Engineering	Software Engineering
04.12.2012	Instrumentation (506103)		
Wednesday, 05.12.2012	Application of DSP (506107)	Mobile Computing	Mobile Computing
Friday, 07.12.2012	Transducer Design (506102)	Net Centric Computing	Net Centric Computing
Saturday.	Artificial Intelligence &	Human Computing Interface	Human Computing
08.12.2012	Robotics (506104)		Interface
Tuesday,	1. Micro-Controller	Adv. Internet Tech.	Adv. Internet Tech.
11.12.2012	Application in Instrumentation (506108)		
Wednesday,	Advanced Medical	Elective I	Elective I
12.12.2012	Instrumentation	(a) Operation Research &	(a) Operation Research &
		Stats	Stats
	(506116)		
	2. Advanced Process	(b) Intelligent Systems	(b) Intelligent Systems
	2. Advanced Process Instrumentation	(b) Intelligent Systems(c) Object Oriented	(b) Intelligent Systems(c) Object Oriented
	2. Advanced Process	(b) Intelligent Systems(c) Object Oriented Systems	(b) Intelligent Systems(c) Object Oriented Systems
	2. Advanced Process Instrumentation	(b) Intelligent Systems(c) Object Oriented Systems(d) Computer Algorithms for	(b) Intelligent Systems(c) Object Oriented Systems(d) Computer Algorithms for
Thursday	2. Advanced Process Instrumentation (506109)	(b) Intelligent Systems(c) Object Oriented Systems(d) Computer Algorithms for Signal Processing	(b) Intelligent Systems(c) Object Oriented Systems(d) Computer Algorithms for Signal Processing
Thursday, 13.12.2012	2. Advanced Process Instrumentation (506109) Elective (506117)	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II
Thursday, 13.12.2012	2. Advanced Process Instrumentation (506109)	 (b) Intelligent Systems (c) Object Oriented	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II (a) Embedded Systems
•	2. Advanced Process Instrumentation (506109) Elective (506117) 1. Bio - Medical	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II
•	2. Advanced Process Instrumentation (506109) Elective (506117) 1. Bio - Medical Instrumentation (a) Ultrasonic Application in Bioengineering	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II (a) Embedded Systems (b) Data Ware Housing & 	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II (a) Embedded Systems (b) Data Ware Housing &
•	2. Advanced Process Instrumentation (506109) Elective (506117) 1. Bio - Medical Instrumentation (a) Ultrasonic Application in Bioengineering (b) Lasers in Medicine	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II (a) Embedded Systems (b) Data Ware Housing & (c) ERP-EC 	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II (a) Embedded Systems (b) Data Ware Housing & (c) ERP-EC
•	2. Advanced Process Instrumentation (506109) Elective (506117) 1. Bio - Medical Instrumentation (a) Ultrasonic Application in Bioengineering (b) Lasers in Medicine (c) Bioinformatics	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II (a) Embedded Systems (b) Data Ware Housing & (c) ERP-EC 	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II (a) Embedded Systems (b) Data Ware Housing & (c) ERP-EC
13.12.2012 Friday,	2. Advanced Process Instrumentation (506109) Elective (506117) 1. Bio - Medical Instrumentation (a) Ultrasonic Application in Bioengineering (b) Lasers in Medicine (c) Bioinformatics Elective (506110)	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II (a) Embedded Systems (b) Data Ware Housing & (c) ERP-EC 	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II (a) Embedded Systems (b) Data Ware Housing & (c) ERP-EC
13.12.2012	2. Advanced Process Instrumentation (506109) Elective (506117) 1. Bio - Medical Instrumentation (a) Ultrasonic Application in Bioengineering (b) Lasers in Medicine (c) Bioinformatics Elective (506110) 2. Process Instrumentation	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II (a) Embedded Systems (b) Data Ware Housing & (c) ERP-EC (d) Bio-Informatics 	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II (a) Embedded Systems (b) Data Ware Housing & (c) ERP-EC (d) Bio-Informatics
13.12.2012 Friday,	2. Advanced Process Instrumentation (506109) Elective (506117) 1. Bio - Medical Instrumentation (a) Ultrasonic Application in Bioengineering (b) Lasers in Medicine (c) Bioinformatics Elective (506110) 2. Process Instrumentation (a) Applied Instrumentation	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II (a) Embedded Systems (b) Data Ware Housing & (c) ERP-EC (d) Bio-Informatics 	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II (a) Embedded Systems (b) Data Ware Housing & (c) ERP-EC (d) Bio-Informatics
13.12.2012 Friday,	2. Advanced Process Instrumentation (506109) Elective (506117) 1. Bio - Medical Instrumentation (a) Ultrasonic Application in Bioengineering (b) Lasers in Medicine (c) Bioinformatics Elective (506110) 2. Process Instrumentation (a) Applied Instrumentation (b) Advance Techniques in	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II (a) Embedded Systems (b) Data Ware Housing & (c) ERP-EC (d) Bio-Informatics 	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II (a) Embedded Systems (b) Data Ware Housing & (c) ERP-EC (d) Bio-Informatics
13.12.2012 Friday,	2. Advanced Process Instrumentation (506109) Elective (506117) 1. Bio - Medical Instrumentation (a) Ultrasonic Application in Bioengineering (b) Lasers in Medicine (c) Bioinformatics Elective (506110) 2. Process Instrumentation (a) Applied Instrumentation (b) Advance Techniques in Modeling & Optimization	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II (a) Embedded Systems (b) Data Ware Housing & (c) ERP-EC (d) Bio-Informatics 	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II (a) Embedded Systems (b) Data Ware Housing & (c) ERP-EC (d) Bio-Informatics
13.12.2012 Friday,	2. Advanced Process Instrumentation (506109) Elective (506117) 1. Bio - Medical Instrumentation (a) Ultrasonic Application in Bioengineering (b) Lasers in Medicine (c) Bioinformatics Elective (506110) 2. Process Instrumentation (a) Applied Instrumentation (b) Advance Techniques in	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II (a) Embedded Systems (b) Data Ware Housing & (c) ERP-EC (d) Bio-Informatics 	 (b) Intelligent Systems (c) Object Oriented Systems (d) Computer Algorithms for Signal Processing Elective II (a) Embedded Systems (b) Data Ware Housing & (c) ERP-EC (d) Bio-Informatics

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

Day and	Industrial Engg.	Chemical Engg.	Polymer Engg.
Date	Industrial Engineering	Chemical Engineering	Polymer Engineering
	22	23	24
Saturday, 01.12.2012	Advanced Statistical Method	Advanced Momentum & Heat Transfer (109101)	Mathematical & Statistical Method (509201)
Monday, 03.12.2012	Operation and Management	Advanced Mass Transfer (109106)	Advanced Polymer Compounding & Processing (509206)
Tuesday, 04.12.2012	Human Factors Engineering	Advanced Thermodynamics (109102)	Polymer Reaction Engineering (509202)
Wednesday, 05.12.2012	Design of Manufacturing System	Advanced Chemical Reaction Engineering (109107)	Structure Properties & Testing of Polymers (509207)
Friday, 07.12.2012	Industrial Psychology	Process Modeling & Simulation (109103)	Polymer Physics & Characterization (509203)
Saturday. 08.12.2012	Financial Management	Advanced Process Dynamics & Control (109108)	Design & Processing of Composites (509208)
Tuesday, 11.12.2012	Advance Operations Research	Novel Separation Techniques (109104)	Transport Phenomena in Polymers (509204)
Wednesday, 12.12.2012	Quality & Reliability Engineering	Elective I Catalysis and Surface Phenomena (109109)	Elective I (a) Specialty Polymer Materials (b) Modeling and Simulation (c) Computer Aided Tool and Product Design (509209)
Thursday, 13.12.2012	Software Engineering	Elective II Fluidization Engineering (109110)	Elective I (a) Advanced Elastomer Technology (b) Science and Engineering of Fibers (c) Recent Advances in Polymer Science (509210)
Friday, 14.12.2012	Organizational Development		

University of Pune Ganeshkhind, Pune-411007 Ref. No. XCT/ 1246

Date: 09/11/2012

Dr. Sampada Joshi Controller of Examinations.