



SHIVAJI UNIVERSITY, KOLHAPUR-416004, MAHARASHTRA

PHONE: EPABX – 0091-0231-2609000 CoE Office: 0231-2693176

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शिवाजी विद्यापीठ, कोल्हापूर-416004 महाराष्ट्र

दूरध्वनी : (ईपीएबीएक्स) 0091-0231-2609000 परीक्षा नियंत्रक कार्यालय : 0231-2693176

इतर परीक्षा – 4 विभाग : 0231-2609122 o फॅक्स : 0091-0231-2690655

B
Accredited by NAAC(2009) वेबसाईट : (www.unishivaji.ac.in) ई मेल coe@unishivaj.ac.in

Ref.No.: SU/EXAM/O.E.4/SRK/

Date : 28-8-2012

To,

The Principals/Directors,
Affiliated Colleges/Institutes

Sub:- Draft Programme of the FE to BE Examination
to be held in Dec. 2012.

Sir/Madam,

Please find enclosed here with the Draft Theory Programme of above examinations to be held in Dec. 2012. Kindly display the same on the notice board of your college immediately for the information of the students and teachers concerned. If there are any over lapping of the subjects offered by candidates. please communicate this office on or before 6-9-2012 positively.

In case no comments are received from you before the above date, it will be presumed that the programme is in order and the same will be finally notified and no complaints will be entertained, there after.

The same is available on the University website i.e. www.unishivaji.ac.in

Thanking you,

Yours faithfully,

Dy. Registrar
(On Exam)

Encl : as above.

Copy for information and further necessary action.

1. Hon'ble C.O.E. office
2. Dy. Registrar, Pre-Exam
3. Dy. Registrar, Post-Exam
4. Strong Room
5. Godown Section

(P.T.O)

**SHIVAJI UNIVERSITY, KOLHAPUR.****Circular No. 61 Exam of Dec, - 2012**

Draft Programme of the **F.E. to B.E. SEM.-I to VIII Examinations** in the Branches Civil/ Mechanical/ Electrical/ Electronics/ Chemical/ Production/ Electronics and Tele-Comm./ Instrumentation/ Environmental/ Automobile/ Computer/ Information Technology /Biotechnology/ Electrical & Electronics to be held in **Dec. - 2012.**

1. The candidates are requested to be present at their respective place of examination FIFTEEN MINUTES before the time appointed for setting of the First paper and TEN MINUTES before the time of setting of each subsequent paper. They are forbidden to take any book or paper into the Examination Hall.

2. The Written, Practical and Oral Examinations will be held at the following places.

No	Centre	Place
1	ASHTA	Annasaheb Dange, College of Engg. & Tech., Ashta
2	KARAD	Govt. College of Engineering, Karad
3	KOLHAPUR	Bharthi Vidyapeeth College of Engineering, Kolhapur.
4		D. Y. Patil College of Engg. & Tech., Kolhapur
5		KIT's College of Engineering. Kolhapur
6	JAYSINGPUR	J. J. Magdum College of Eng. Jaysingpur
7	BUDHAGAON	P.V.P. Institute of Technology, Budhagaon.
8	SAKHARALE	Rajarambapu Institute of Tech. College of Eng. Sakharale
9	SATARA	K.B.P. College of Eng. & Polytechnic, Satara
10	ICHALKARANJI	D.K.T.E.'s Textile & Engg. Inst. Ichalkaranji
11	WARANANAGAR	Tatyasaheb Kore Inst. of Eng. & Tech. Warananagar
12	SANGLI	Shri Ambabai Talim, College of Engg & Tech, Wanlesswadi Miraj
13	SOLAPUR	H. N. College, Solapur.
14	PANDHARPUR	H. N. College, Solapur.
15	RAIGAON	Late NBC Institute of Engg & Tech., Raigaon (Satara)
16	LIMB	Satara College of Engg. & Mgt. Limb, Tal:/Dist: Satara.
17	BANAWADI	Dr. Daulatrao Aher College of Engg. Banawadi
18	VITA	Adarsh Inst. of Tech.& Research Centre, Vita, Dist: Sangli
19	Yadrav	Sharad Institute of Tech's College of Engg Yadrav, Tal: Shirol,
20	Wadwadi	Abhinav Edu.Society, College of Engg & Tech, Wadwadi, Khandala
21	Atigre	Sou.S.D. Ghodawat Charitable Trust's Group of Insti, Atigre
22	Panhala	Sanjeevan Engineering & Technology, Institute, Panhala,
23	Miraj	Shri Ambabai Talim, College of Engg & Tech, Wanlesswadi Miraj
24	Vathar-tarf – Vadgaon	Shri. Balasaheb Mane Shikshan Prasarak Mandal, Group of Institutions, Vathar-Tarf-Wadgaon,
25	Kille Machindragad	Jaywant College of Engg. & Mgt., Walva, Kille Machindragad.
26	Panmalewadi, Post : Varye,	Arvind Gavali College of Engineering, Panmalewadi, Post : Varye, Tal/Dist: Satara.
27	Vikaswadi, Tal.-Kagal	Dhananjay Mahadik Group of Institutions, 209/A, NH-4, Vikaswadi, Kagal, Kolhapur
28	Talsande, Tal.-Hatkanangale	D.Y. Patil Education Society's, D.Y. Patil Technical Campus, Talsande, Tal: Hatkanangale, Dist: Kolhapur.
29	Thakurki, Tal.- Phaltan	Phaltan Education Society's Colege of Engineering, Sr.No. 31, A/p: Thakurki, Tal: Phaltan, Dist: Satara.
30	Wadhe, Satara	Yashoda Technical Campus, Faculty of Engg, Wadhe, Satara.
31	Peth, Tal.- Walva	Nanasaheb Mahadik College of Engineering Peth,
32	Kavalapur	Vishnuanna Patil Institute of Engg & Tech. A/p: Kavalapur,

3. The written examination will be conducted in the following order:

(P.T.O)

F.E. SEM.-I

Day & Date	Time: 10.00 am. to 01.00 pm.	09.00 a.m. To 01.00 pm.
Monday 17.12.2012	Engineering Physics (40901) (Common For F.E. Sem. I & II)	
Wednesday 19.12.2012	Engineering Chemistry (40902) (Common For F.E. Sem. I & II)	
Friday 21.12.2012	Engineering Mathematics – I (40903)	----
Monday 24.12.2012	Applied Mechanics (40904)	----
Wednesday 26.12.2012	-----	Engineering Graphics (40905)
Friday 28.12.2012	Basic Electronics and Computer Programming in 'C' (40906)	

F.E. SEM.-II

Day & Date	Time: 10.00 am. to 01.00 pm.	
Monday 26.11.2012	Engineering Mathematics- II 41410	----
Tuesday 27.11.2012	Basic Civil Engineering 41411	----
Thursday 29.11.2012	Basic Mechanical Engineering 41412	----
Monday 30.11.2012	Basic Electrical Engineering 41413	----
Monday 17.12.2012	Engineering Physics 40901 (Common For F.E. Sem. I & II)	
Wednesday 19.12.2012	Engineering Chemistry 40902 (Common For F.E. Sem. I & II)	

(P.T.O)

S.E. SEM. – III (From Dec., 2008)
(Time: 10.00 am. to 01.00 pm)

Day & Date	Branch	Paper
Tuesday 04.12.2012	Civil	Engineering Maths- III (42654)
	Environmental	Environmental Chemistry (43200)
	Mechanical	Engineering Maths- III (42660)
	Automobile	Engineering Maths- III (42667)
	Electrical	Engineering Maths- III (42707)
	Electronics	Engineering Maths- III (42675)
	Chemical	Engineering Maths- III (42721)
	Production	Engineering Maths- III (42687)
	Instrumentation	Applied Engineering Maths. (42694)
	Electronics & Tele-Communication	Engineering Maths- III (42727)
	Computer Science & Engineering	*Switching Theory For repeater students (46031)
	Information Technology	Applied Maths – I (42701)
	Bio-Technology	Engineering Maths- III (42714)
Electrical & Electronics	Engineering Maths- III (50183)	

(P.T.O)

S.E. SEM. – III (From Dec., 2008)
(Time: 10.00 am. to 01.00 pm)

Day & Date	Branch	Paper
Thursday 06.12.2012	Civil	Surveying- I (42655)
	Environmental	Engineering Mathematics- III (43201)
	Mechanical	Applied Thermodynamics (42661)
	Automobile	Engineering Thermodynamics (42668)
	Electrical	Analog Electronics (42708)
	Electronics	Electrical Machines (42676)
	Chemical	Chemistry- I (42722)
	Production	Machine Drawing (42688) <u>(Time: 09.30 am. To 01.30 pm)</u>
	Instrumentation	Electrical Machines (42695)
	Electronics & Tele-Communication	Electrical Machines & Measurements (42728)
	Computer Science & Engineering	Discrete Mathematical Structures (42682) Written- 10.00 am to 12.00 pm Online- 12.30 pm to 01.30 pm O M R- 01.30 pm to 02.30 pm
	Information Technology	Data Structure & Algorithms (42702)
	Bio-Technology	Microbiology (42715)
Electrical & Electronics	Digital Electronics & Linear Integrated Circuits (50184)	

(P.T.O)

S.E. SEM. – III (From Dec., 2008)
(Time: 10.00 am. to 01.00 pm.)

Day & Date	Branch	Paper
Saturday 08.12.2012	Civil	---
	Environmental	Ecology & Environmental Sanitation (43204)
	Mechanical	Manufacturing Processes (42664)
	Automobile	----
	Electrical	----
	Electronics	----
	Chemical	----
	Production	----
	Instrumentation	----
	Electronics & Tele- Communication	----
	Computer Science & Engineering	Applied Maths. (42681) Written- <u>10.00 am to 12.00 pm</u> Online- <u>12.30 pm to 01.30 pm</u> O M R- <u>01.30 pm to 02.30 pm</u>
	Information Technology	----
	Bio-Technology	----
	Electrical & Electronics	Electrical Circuit Analysis (50185)

S.E. SEM. – III (From Dec., 2008)
(Time: 10.00 am. to 01.00 pm.)

Day & Date	Branch	Paper
Tuesday 11.12.2012	Civil	Fluid Mechanics- I (42658)
	Environmental	-----
	Mechanical	Fluid Mechanics (42665)
	Automobile	Electrical Technology (42671)
	Electrical	Generation & Its Economics (42711)
	Electronics	Data Structures & Algorithms (42679)
	Chemical	Mechanical Operations (42725)
	Production	Machine Tools & Processes (42691)
	Instrumentation	Electronic Device & Circuits (42698)
	Electronics & Tele-Communication	Digital Design (42731)
	Computer Science & Engineering	Digital Systems & Microprocessors (42685) Written- 10.00 am to 12.00 pm Online- 12.30 pm to 01.30 pm O M R- 01.30 pm to 02.30 pm
	Information Technology	Multimedia Techniques (42705)
	Bio-Technology	Unit Operations – I (42718)
Electrical & Electronics	Electrical Circuit Analysis & Design (50186)	
Thursday 13.12.2012	Civil	* Computer Programming C++ (36287) (As per old course)
	Mechanical	*Computer Programming C++ (36192) (Time: 10.00 am. To 12.00 pm.) (As per old course)
	Production	* Computer Programming C++ (36201) (Time: 10.00 am. To 12.00 pm.) (As per old course)
	Computer Science & Engineering	*Mathematics for Computer Science (46030)

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S.E. SEM. – III (From Dec., 2008)
(Time: 10.00 am. to 01.00 pm)

Day & Date	Branch	Paper
Saturday 15.12.2012	Civil	Structural Mechanics- I (42656)
	Environmental	Surveying Remote Sensing & GIS (43202)
	Mechanical	Electrical Technology & Computer Programming C++ (42662)
	Automobile	Fluid Mechanics (42669)
	Electrical	Electrical Circuit Analysis (42709)
	Electronics	Electronic Circuit Analysis & Design – I (42677)
	Chemical	SOM & MOC (42723)
	Production	Thermal Engineering (42689)
	Instrumentation	Electrical Measurements & Instruments (42696)
	Electronics & Tele-Communication	Analog Electronic Circuits & Design – I (42729)
	Computer Science & Engineering	Data Structures (42683) Written- 10.00 am to 12.00 pm Online- 12.30 pm to 01.30 pm O M R- 01.30 pm to 02.30 pm
	Information Technology	Digital System & Microprocessor (42703)
Bio-Technology	Cell Biology (42716)	
Electrical & Electronics	Power Systems – I (50187)	

(P.T.O)

S.E. SEM. – III (From Dec., 2008)
(Time: 10.00 am. to 01.00 pm.)

Day & Date	Branch	Paper
Tuesday 18.12.2012	Civil	Building Construction (42657) (Time: 09.30 am. To 01.30 pm)
	Environmental	Fluid Mechanics (43203)
	Mechanical	Machine Drawing (42663) (Time: 09.30 am. To 01.30 pm)
	Automobile	Engineering Materials (42670)
	Electrical	DC machines & Transformers (42710)
	Electronics	Network Analysis (42678)
	Chemical	Fluid Mechanics (42724)
	Production	Electrical Technology & Industrial Electronics (42690)
	Instrumentation	Circuit Theory & Analysis (42697)
	Electronics & Tele- Communication	Linear Circuits (42730)
	Computer Science & Engineering	Computer Networks- I (42684) Written- 10.00 am to 12.00 pm Online- 12.30 pm to 01.30 pm O M R- 01.30 pm to 02.30 pm
	Information Technology	Theory of Computer Science (42704)
	Bio-Technology	Macro molecules Biomembrances (42717)
Electrical & Electronics	-----	

(P.T.O)

S.E. SEM. – IV (Environmental Engineering)**(Time: 02.30 pm to 05.30 pm.)**

Day & Date	Branch	Paper	
Monday 26.11.2012	Environmental	Environmental Microbiology	41542
Tuesday 27.11.2012	Environmental	Environmental Chemo Dynamics	41543
Thursday 29.11.2012	Environmental	Environmental Geology and Hydrology	41544
Friday 30.11.2012	Environmental	Ecology & Environmental Sanitation	41545
Saturday 01.12.2012	Environmental	Water Supply Engineering	41546
Monday 03.12.2012	Environmental	Environment Resources & Energy (Time: <u>02.30 pm to 04.30 pm</u>)	41547

(P.T.O)

S.E. SEM. – IV (From May 2009)

(Time: 02.30 pm to 05.30 pm)

Day & Date	Paper with Branches		
Monday 26.11.2012	Civil	Structural Mechanics-II	(43586)
	Environmental	Environmental Microbiology	(43669)
	Mechanical	Analysis of Mech Elements	(43592)
	Automobile	Programming & Computational Methods	(43600)
	Electrical	Signals & systems	(43643)
	Electronics	Electronic Circuit Analysis & Design –II	(43608)
	Chemical	Engg. Maths-IV	(43656)
	Production	Advanced Machine Tools & Processes	(43621)
	Instrumentation	Digital systems & Micro processes	(43629)
	Electro & Tele Com.	Analog Electronic Circuits & Design- II	(43663)
		Automata Theory	(43614)
	Computer Sci. & Engg.	Written- 01.30 pm to 03.30 pm Online- 04.00 pm to 05.00 pm O M R- 05.00 pm to 06.00 pm	
	Information Tech.	Applied Mathematics- II	(43636)
	Biotechnology	Biostatistics	(43649)
Electrical & Electronics	Electric Machine - I	(51184)	
Tuesday 27.11.2012	Civil:	Surveying –II	(43587)
	Environmental:	Environmental Geology	(43670)
	Mechanical:	Numerical Methods	(43593)
	Automobile:	Kinematics of Machines (Time: 01.30 pm to 05.30 pm.)	(43601)
	Electrical	A.C. Machines	(43644)
	Electronics:	Analog Communication	(43609)
	Chemical:	Chemistry- II	(43657)
	Production:	Foundry Technology	(43622)
	Instrumentation:	Automatic Control systems	(43630)
	Electro & Tele Com.	Electronics Communication Systems	(43664)
		Computer Networks-II	(43615)
	Computer Sci. & Engg.	Written- 01.30 pm to 03.30 pm Online- 04.00 pm to 05.00 pm O M R- 05.00 pm to 06.00 pm	
	Information Tech	Advanced Microprocessors	(43637)
	Biotechnology	Unit Operations- II	(43650)
Electrical & Electronics	Power Systems-II	(51185)	

(P.T.O)

S.E. SEM. – IV (From May 2009)
(Time: 02.30 pm to 05.30 pm.)

Day & Date	Paper with Branches	
Thursday 29.11.2012	Civil:	Engineering Geology (43588)
	Environmental:	Water Supply Engineering (43671)
	Mechanical:	Metallurgy (43594)
	Automobile:	Metallurgy & Metal Treatments (43602)
	Electrical	Industrial Management & Economics (43645)
	Electronics:	Signals & systems (43610)
	Chemical:	Process calculation (43658)
	Production:	Analysis of Machine Elements (43623)
	Instrumentation:	Sensors & Transducers (43631)
	Electronics & Tele Com.:	Microprocessor & Peripherals (43665)
	Computer Sci. & Engg.	Computer Organization (43616) Written- 01.30 pm to 03.30 pm Online- 04.00 pm to 05.00 pm O M R- 05.00 pm to 06.00 pm
	Information Technology:	Data Communication (43638)
	Biotechnology	Enzyme Technology (43651)
	Electrical & Electronics	Electrical & Electronics Measurement (51186)
	Friday 30.11.2012	Civil:
Environmental:		Environmental Chemo Dynamics (43672)
Mechanical:		Machine Tool (43595)
Automobile:		Fluid Machines (43603)
Electrical		Electrical Measurement (43646)
Electronics:		Digital Design (43611)
Chemical:		Heat Transfer (43659)
Production:		Welding Technology (43624)
Instrumentation:		Thermal & Fluid Power Engineering (43632)
Electronics & Tele Com.:		Data structures (43666)
Computer Sci. & Engg.		Advanced Microprocessors (43617) Written- 01.30 pm to 03.30 pm Online- 04.00 pm to 05.00 pm O M R- 05.00 pm to 06.00 pm
Information Technology		Computer Organization & Architecture (43639)
Biotechnology		Metabolic Pathways and their Regulations (43652)
Electrical & Electronics		Signals and Systems (51187)
Workshop Practice- IV Practical-		i) Mechanical (43599) ii) Production (43627)

(P.T.O)

S.E. SEM. – IV (From May 2009)
(Time: 02.30 pm to 05.30 pm.)

Day & Date	Paper with Branches	
Saturday 01.12.2012	Civil:	Fluid Mechanics -II (43590)
	Environmental:	Energy & Environment (43673)
	Mechanical:	Theory of Machines - I (43596) (Time: 01.30 pm to 05.30 pm.)
	Automobile:	Strength of Materials (43604)
	Electrical	Digital system & Microprocessor (43647)
	Electronics:	Electronics Measurement & Instrumentation (43612)
	Chemical:	Chemical Engg & Thermodynamics- I (43660)
	Production:	Theory of Machines – I (43625) (Time: 01.30 pm to 05.30 pm.)
	Instrumentation:	Linear Integrated Circuits (43633)
	Electronics & Tele Com.:	Electromagnetic Fields (43667)
	Computer Sci. & Engg.	Software Engineering (43618) Written- 01.30 pm to 03.30 pm Online- 04.00 pm to 05.00 pm O M R- 05.00 pm to 06.00 pm
	Information Technology:	Software Engineering (43641)
	Biotechnology	Molecular Biology (43653)
	Electrical & Electronics	Microprocessors and Peripherals (51188)
Monday 03.12.2012	Civil:	--
	Environmental:	--
	Mechanical:	Fluid & Turbo Machinery (43597)
	Automobile:	Manufacturing Processes (43605)
	Electrical	Linear Algebra (36438)
	Electronics:	Integrated Circuits & Applications (46644)
	Chemical:	--
	Production:	--
	Instrumentation:	--
	Electronics & Tele Com.:	--
	Computer Sci. & Engg.	--
	Information Technology	--
	Biotechnology	--
	Electrical & Electronics	---
Workshop Practice- IV Practical-	i) Mechanical (43599) ii) Production (43627)	

T.E. SEM. – V (New course) From Dec. 2009**(Time: 02.30 pm to 05.30 pm.)**

Day & Date	Paper with Branches		
Friday 07.12.2012	1) Civil:	Designs of Steel Structures	(45536)
	2) Environmental:	Waste Water Engineering	(42958)
	3) Mechanical:	Theory of Machines-II	(45549)
	4) Automobile:	Dynamics of Machines	(45656)
	5) Electrical:	Electromagnetic	(45576)
	6) Electronics:	Microprocessor Peripherals & Interfacing	(45589)
	7) Chemical:	Process Instrumentation & Instrumental Methods of Analysis	(45630)
	8) Production:	Metallurgy-I	(45615)
	9) Instrumentation:	Fiber Optics & Communication	(45643)
	10) Electronics & Tele Com.	Microcontroller	(45686)
	11) Computer Sci. & Engg.:	Computer Graphics Written- 01.30 pm to 03.30 pm Online- 04.00 pm to 05.00 pm O M R- 05.00 pm to 06.00 pm	(45601)
	12) Information Technology:	Operating System - I	(45672)
	13) Biotechnology:	Biological Thermodynamics	(45698)
	14) Electrical & Electronics	Electric Machine-II	(55792)
Monday 10.12.2012	1) Civil:	Geo-technical Engineering-I	(45537)
	2) Environmental:	Urban & Rural Planning	(42959)
	3) Mechanical:	Heat & Mass Transfer	(45550)
	4) Automobile:	Heat & Mass Transfer	(45657)
	5) Electrical:	Power System Analysis	(45577)
	6) Electronics:	Analog Integrated Circuits & Applications	(45590)
	7) Chemical:	Computer Techniques in Chemical Engg.	(45631)
	8) Production:	Theory of Machines-II	(45616)
	9) Instrumentation:	Advanced Control Systems	(45644)
	10) Electronics & Tele Com.	Signals & Systems	(45687)
	11) Computer Sci. & Engg.	System Programming	(45602)
	12) Information Technology:	Computer Network	(45673)
	13) Biotechnology:	Immunology	(45699)
	14) Electrical & Electronics	Power Systems Analysis	(55793)

(P.T.O)

T.E. SEM. – V (New course) From Dec. 2009
(Time: 02.30 pm to 05.30 pm.)

Day & Date	Paper with Branches	
Wednesday 12.12.2012	1) Civil:	Environmental Engineering-I (45540)
	2) Environmental:	Green Building (42962)
	3) Mechanical:	Manufacturing Engineering (45565) (Time: 02.00 pm. To 06.00 pm.)
	4) Automobile:	Principles of Design & Component Design (45658)
	5) Electrical:	Digital Signal Processing (45580)
	6) Electronics:	Control System Engineering (45593)
	7) Chemical:	Chemical Equipment Design-I (45634)
	8) Production:	Metal Forming & Plastics Technology (45619)
	9) Instrumentation:	Analytical Instrumentation (45647)
	10) Electronics & Tele Com.:	Optical Communication & Net work (45690)
	11) Computer Sci. & Engg. :	Network Technologies (45605) Written- 01.00 pm to 03.00 pm Online- 03.30 pm to 04.30 pm O M R- 04.30 pm to 05.30 pm
	12) Information Technology:	Organizational Management & Behavior (45676)
	13) Biotechnology:	Bioinformatics (45702)
	14) Electrical & Electronics	Electromagnetic Engg. (55794)
Friday 14.12.2012	1) Civil	* Engineering Management-I (37652)
	2) Environmental	(As per old course)
	3) Mechanical:	Machine Design-I (45551)
	4) Automobile	---
	5) Electrical:	---
	6) Electronics:	* Computer Organizational and Processor Design (50343) (Replace subject for Computer Org. (37671))
	7) Chemical:	
	8) Production:	Metrology (45620)
	9) Instrumentation:	-----
	10) Electronics & Tele Com.:	Electronics Communication System (37719)
	11) Computer Sci. & Engg.	Computer Network Concepts* (40016) * Replace Subject for Pre-revised Repeaters
	12) Information Tech:	Digital Communication Concepts (37716)
	13) Biotechnology:	* Bio-statistics (37729) (As per old course - up to May 2013)

(P.T.O)

T.E. SEM. – V (New course) From Dec. 2009**(Time: 02.30 pm to 05.30 pm.)**

Day & Date	Paper with Branches	
Monday 17.12.2012	1) Civil	Water Resources Engg.-I (45538)
	2) Environmental:	Water Resources Engineering (42960)
	3) Mechanical:	1) Control Engineering (45566)
		2) Control Engineering (48709)
	4) Automobile:	Metrology & Quality Control (45659)
	5) Electrical:	Instrumentation Techniques (45578)
	6) Electronics:	Digital System Design (45591)
	7) Chemical:	Mass Transfer-I (45632)
	8) Production:	Design of Machine Elements (45617)
	9) Instrumentation:	Industrial Power Electronics (45645)
	10) Electronics & Tele Com.:	Antennas and Wave Propagation (45688)
	11) Computer Sci. & Engg.	Operating System-I (45603)
	12) Information Technology:	Object Oriented Modeling and Design (45674)
	13) Biotechnology:	Fermentation Technology (45700)
14) Electrical & Electronics	Control System (55795)	
Wednesday 19.12.2012	1) Civil:	Concrete Technology (45539)
	2) Environmental:	Environmental Geotechnology (42961)
	3) Mechanical:	Metrology & Quality Control (45564)
	4) Automobile:	Automotive Transmission (45660)
	5) Electrical:	Feedback Control Systems (45579)
	6) Electronics:	Electromagnetic Engineering (45592)
	7) Chemical:	Chemical Engg. Thermodynamics-II (45633)
	8) Production:	Metal Cutting Technology (45618)
	9) Instrumentation:	Unit Operation (45646)
	10) Electronics & Tele Com.	Linear Integrated Circuits (45689)
	11) Computer Sci. & Engg.:	Computer Algorithms (45604)
	12) Information Technology:	System Software (45675)
	13) Biotechnology:	Genetic Engineering (45701)
	14) Electrical & Electronics	Power Electronics (55795)

(P.T.O)

T.E. Sem –V (Old Course)
(Time: 02.30 pm. To 05.30 pm.)

Subject continued from old course as per equivalence

Day & Date	Branch	Name of Paper	Code No.
Friday 21.12.2012	Electronics	Analog and Digital Communication (Replace subject for Communication Engg.II) (37672)	(50344)

T.E. SEM. – VI (Old Course)
(Time: 10.00 am. To 01.00 pm.)

Subject continued from old course as per equivalence

Day & Date	Branch	Paper and Paper Code No.
Wednesday 05.12.2012	Automobile	Mechanical Measurement & Control (37790)
"	Electronics	Electronics Design Technology (50345) (Replace subject for Electronics System Design) (37753)
"	Instrumentation	Chemical & Analytical Instrumentation (37782)
"	Information Tech.	Image Processing Concepts (51323) (Replace subject for repeater students only)
"	Biotechnology	Bioinformatics (37814) (As per old course – up to May 2013)

Day & Date	Branch	Paper and Paper Code No.
Friday 07.12.2012	Automobile	Automobile Systems II (37789)
"	Electronics	* Mobile & Satellite Communication (911)
"	Instrumentation	Unit Operation (37785)
	Workshop Practice-VI Practical	i) Mechanical (37743) ii) Production (37768)

*** Replaced subject for Pre-revised course for Repeater Candidates only**

(P.T.O)

T.E. SEM. – VI (New Course) From May 2010
(Time: 10.00 am. to 01.00 pm.)

Day & Date	Paper with Branches		
Monday 26.11.2012	1) Civil :	Structural Mechanic-III	(45542)
	2) Environmental :	Air Pollution-I	(43683)
	3) Mechanical :	Machine Design -II	(45568)
	4) Automobile :	Automotive Component Manufacturing	(45664)
	5) Electrical:	Pawar System Stebility and Control	(45583)
	6) Electronics:	Microcontrollers	(45595)
	7) Chemical :	Industrial Economics, Management & Entrepreneurship	(45636)
	8) Production:	Metallurgy-II	(45622)
	9) Instrumentation :	Microcontroller & Applications	(45649)
	10) Electronics & Tele Com.	Digital Signal Processing	(45692)
	11) Computer Sci. & Engg.:	-----	
	12) Information Tech. :	Database Engineering	(45679)
	13) Biotechnology:	Industrial Economics, Management & Entrepreneurship	(45709)
Tuesday 27.11.2012	1) Civil	Geotechnical Engineering-II	(45543)
	2) Environmental	Solid Waste Management	(43684)
	3) Mechanical	Renewable Energy Engineering	(45569)
	4)Automobile:	Industrial Organization & Management	(45665)
	5) Electrical:	Control System Design	(45584)
	6) Electronics:	Digital Communication	(45596)
	7) Chemical:	Plant Utility & Pollution Control	(45637)
	8) Production:	Industrial Management	(45623)
	9) Instrumentation:	Industrial Automation-I	(45650)
	10) Electronics & Tele Com.	Digital Communication	(45693)
	11) Computer Sci. & Engg.:	Operating System-II	(45609)
	12) Information Tech.:	Operating System-II	(45680)
	13) Bio-Technology:	Microbial Technology	(45707)
Thursday 29.11.2012	1) Civil:	Engineering Management	(45544)
	2) Environmental:	Environmental Management	(43685)
	3) Mechanical:	I.C. Engines	(45570)
	4) Automobile:	I.C. Engines	(45666)
	5) Electrical:	Power Electronics	(45585)
	6) Electronics:	Power Electronics	(45597)
	7) Chemical:	Mass Transfer-II	(45638)
	8) Production:	Industrial Hydraulics and Pneumatics	(45624)
	9) Instrumentation:	Process Control	(45651)
	10) Electronics & Tele Com.:	VLSI Design	(45694)
	11) Computer Sci. & Engg.:	Database Engineering	(45610)
	12) Information Technology:	Software Testing and Quality Assurance	(45681)
	13) Bio-Technology:	Bio Instrumentation	(45705)

T.E. SEM. – VI (New Course) From May 2010**(Time: 10.00 am. to 01.00 pm.)**

Day & Date	Paper with Branches	
Friday 30.11..2012	1) Civil:	Water Resource Engineering-II (45545)
	2) Environmental:	Noise Pollution Control (43686)
	3) Mechanical:	Industrial Fluid Power (45571)
	4) Automobile:	Automotive Chassis (45667)
	5) Electrical:	Microcontroller & Its Applications (45586)
	6) Electronics:	Digital Signal Processing (45598)
	7) Chemical:	Process Dynamics & Control (45639)
	8) Production:	Design of Jigs Fixtures and Dies (45625) (Time: 09.00 am. to 01.00 pm.)
	9) Instrumentation:	Signals & Systems (45652)
	10) Electronics & Tele Com.:	Industrial & Power Electronics (45695)
	11) Information Tech.:	Internet Technology (45682)
	12) Bio-Technology:	Medical Bio Technology (45706)
Saturday 01.12.2012	1) Civil:	Environmental Engineering-II (45546)
	2) Environmental:	Quality Surveying & Valuation (43687) (Time: 09.00 am. to 01.00 pm)
	3) Mechanical:	Computer Integrated Manufacturing (45572)
	4) Automobile:	Vehicle Body Engineering (45668)
	5) Electrical:	Communication Engineering (45587)
	6) Electronics:	Industrial Management & Operation Research (45599)
	7) Chemical:	Chemical Reaction Engineering-I (45640)
	8) Production:	Quality Management (45626)
	9) Instrumentation:	Industrial Management (45653)
	10) Electronics & Tele Com.:	Industrial Management & Operation Research (45696)
	11) Computer Sci. & Engg.	Information Security (45612)
	12) Information Tech.:	Information System Security (45683)
	13) Bio-Technology:	Drug Development and Gene Therapy (45708)

T.E. SEM. – VI (New Course) From May 2010

(Time: 10.00 am. to 01.00 pm)

Monday 03.12.2012	1) Civil:	-----
	2) Environmental:	-----
	3) Mechanical:	Industrial Management Operation Research (45573)
	4) Automobile:	Hydraulics & Pneumatics (45669)
	5) Electrical:	-----
	6) Electronics	-----
	7) Chemical:	-----
	8) Production:	Machine Tools & Product Design (45627)
	9) Instrumentation:	-----
	10) Electronics & Tele Comm.	-----
	11) Computer Sci. & Engg.	Compiler Construction (45608) Written- 10.00 am to 12.00 pm Online- 12.30 pm to 01.30 pm O M R- 01.30 pm to 02.30 pm
	12) Information Tech.:	-----
	13) Bio-Technology:	-----
	Workshop Practice-VI	
Tuesday 4-12-2012	11 Computer Sci. & Engg.	Object Oriented Modeling and Design (45611) Written- 10.00 am to 12.00 pm Online- 12.30 pm to 01.30 pm O M R- 01.30 pm to 02.30 pm

B.E. SEM. – VII (New Course) From Dec. 2010**(Time: 02.30 pm to 05.30 pm.)**

Day & Date	Paper with Branches		
Tuesday 11.12.2012	1) Civil	Design of Concrete Structure-I	(47901)
	2) Environmental	Industrial Waste Treatment	(45953)
	3) Mechanical:	Refrigeration & Air Conditioning	(47979)
	4) Automobile:	Engine & Machine Design	(47864)
	5) Electrical:	Electrical Drives and Control	(47935)
	6) Electronics:	Embedded System Design	(47946)
	7) Chemical:	Chemical Reaction Engg.-II	(47888)
	8) Production:	Operation Research	(47993)
	9) Instrumentation:	Advanced Process Instrumentation	(47961)
	10) Electronics & Tele Com.:	Computer Communication Network	(47926)
	11) Computer Sci. & Engg.	Advanced Computer Architecture	(47917)
	12) Information Tech.:	Mobile Technology	(47971)
	13) Biotechnology:	Bioreaction Engineering	(47876)
Thursday 13.12.2012	1) Civil:	Transportation Engineering	(47904)
	2) Environmental:	Air Pollution - II	(45952)
	3) Mechanical:	Mechanical System Design	(47980)
	4) Automobile:	Vehicle Dynamics	(47865)
	5) Electrical:	1 High Voltage Engineering (47936) 2 *Non Linear and Digital Control Systems (39134) *Subject continued for old course repeater students till passes	
	6) Electronics:	Power Electronics and Drives	(47947)
	7) Chemical:	Chemical Process & Synthesis	(47889)
	8) Production:	Mechatronic Systems	(47994)
	9) Instrumentation:	Instrumentation System Design	(47962)
	10) Electronics & Tele Com.	Wireless Communication	(47927)
	11) Computer Sci. & Engg.	Distributed System	(47918)
	12) Information Tech.:	Advanced Database Systems	(47972)
	13) Biotechnology:	Protein Engineering	(47877)

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B.E. SEM. – VII (New Course) From Dec. 2010**(Time: 02.30 pm to 05.30 pm)**

Day & Date	Paper with Branches	
Saturday 15.12.2012	1) Civil: Elective-I	i) Advanced Geo-technical Engineering (39055) ii) Traffic Engineering and Control (39057) iii) Behavioral Science (39061) iv) Managerial Techniques (39062) v) Computer Application in Civil Engg. (39064) As per old course chances up to May 2012 above i to v
	2) Environmental: Elective-I	i) Optimization Techniques (45956) ii) Environmental Biotechnology (45957) iii) Disaster Planning & Risk Analysis (45958) iv) Clean Development Mechanism (45959)
	3) Mechanical: Elective-I	2. Noise & Vibration (47983) 3. Automobile Engineering (47984) 4. Jigs and Fixture Design (47985) 1 * Operation Research (38445) (*Subject for Old course repeater students)
	4) Automobile:	= = =
	5) Electrical: Elective-I	i) EHVAC (38752) ii) DSP (38753) iii) Electrical System Modeling (38754) iv) Neural Network & Fuzzy Logic (38755)
	6) Electronics:	= = =
	7) Chemical: Elective-I	i) Polymer and Rubber Technology (39088) ii) Biotechnology (39089) iii) Petroleum Refinery Engineering (39090) iv) Pharmaceutical Technology-I (38635) v) Introduction to Cryogenic Engineering (38636) vi) Energy System and Design (38637) vii) Optimization Techniques in Chemical Engg.(39091) (As per old course) All i to vii Sub.
	8) Production:	Computer Aided Design & Analysis (47997)
	9) Instrumentation: Elective-I	i) *VLSI Design (38394) ii) *Information Technology (38396) *(As per old course)
	10) Electronics & Tele Com.:	Digital Communication (38406)
	11) Computer Sci. & Engg.:	Information Technology Concepts (50394) *(Replace subject for Information Technology 38620)

B.E. SEM. – VII (New Course) From Dec. 2010**(Time: 02.30 pm to 05.30 pm)**

Day & Date	Paper with Branches	
Tuesday 18.12..2012	1) Civil: Elective-I	
	1. Advanced Structural Analysis	(47905)
	2. Experimental Stress Analysis	(47906)
	3. Finite Element Method	(47907)
	4. Advanced Foundation Engineering	(47908)
	5. Transportation Infrastructure Planning and Demand Estimation	(47909)
	6. Advanced Engineering Geology	(47910)
	7. Open Channel Hydraulics	(47911)
	8. Human Resource Development	(47912)
	9. Project Appraisal	(47913)
10. Solid Waste Management	(47914)	
	2) Environmental: Elective-I -----	
	3) Mechanical: Elective-II	
	1. Total Quality Management	(47986)
	2. Nano Technology	(47987)
	3. Industrial Product Design	(47988)
	4. Human Values and Professional Ethics	(47989)
	4) Automobile: Elective-I	
	1. Noise and Vibration	(47868)
	2. Energy Engineering	(47869)
	3. Computer Integrated Manufacturing Systems	(47870)
	4. Industrial Product Design	(47871)
	5. Production Management	(47872)
	5) Electrical: Elective-I	
	1. FACTS	(47939)
	2. Digital Control System	(47940)
	3. Embedded System	(47941)
	4. Electrical Engineering Materials	(47942)
	5. Thermal Engineering	(47943)
	6) Electronics: Elective-I	
	1. Fiber Optic Communication	(47950)
	2. Satellite Communication	(47951)
	3. Biomedical Instrumentation	(47952)
	4. Low Power VLSI Design	(47953)
	5. High Speed Digital Design	(47954)
	6. Digital Image Processing	(47955)
	7. Real Time Systems	(47956)
	8. Robotics	(47957)
	9. Advance Control Engineering	(47958)
	10. Fuzzy Logic & Applications	(47959)

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B.E. SEM. – VII (New Course) From Dec. 2010**(Time: 02.30 pm to 05.30 pm)**

Day & Date	Paper with Branches
Tuesday 18.12..2012	7) Chemical: Elective-I 1. Petroleum Refinery Engineering (47892) 2. Bio-Technology (47893) 3. Information To Cryogenic Engineering (47894) 4. Pharmaceutical Technology P I (47895) 5. Optimization Technique in Chemical Engineering (47896)
	8) Production: = = = = =
	9) Instrumentation: Elective-I 1. Virtual Instrumentation (47965) 2. Neural & Fuzzy Based Control (47966) 3. Optimal & Robust Control (47967) 4. Safety and Environmental Control (47968)
	10) Electronics & Tele Comm.: Elective-I 1. Digital Signal Processors (47930) 2. Integrated Communication System (47931) 3. Satellite Communication (47932) 4. Remote Sensing & GIS (47933) a *VLSI Technology (Subject for old course students) (38410) b *Fuzzy Logic (Subject for old course students) (38412)
	11) Computer Sci. and Engg.: Elective-I 1. Soft Computing (47921) 2. Project Management (47922) 3. Cyber Laws (47923) 4. * Modern Information Retrieval (50395) *(Replace subject for Information Retrieval 38741)
	12) Information Technology: Elective-I: 1. Project Management (47976) 2. Cyber Laws (47977) 3. Discrete Event System Simulations * (50653) *(Replace subject for Discrete Event System Simulator and modeling (38607)
	13) Biotechnology: Elective-I: 1. Biomedical Engineering (47880) 2. Plant Biotechnology (47881) 3. Good Manufacturing Practices (47882) 4. Environmental Biotechnology (47883) 5. Genomics and Proteomics (47884)

B.E. SEM. – VII (New Course) From Dec. 2010**(Time: 02.30 pm to 05.30 pm)**

Day & Date	Paper with Branches	
Thursday 20.12.2012	1. Civil:	Quantity Survey and Valuation (47902) (Time: 01.30 pm to 05.30 pm)
	2. Environmental:	Advanced Water & Wastewater Treatment (45954)
	3. Mechanical:	Finite Element Analysis (47981)
	4. Automobile:	Finite Element Analysis (47866)
	5. Electrical:	Advanced Switchgear and Protection (47937)
	6. Electronics:	Video Engineering (47948)
	7. Chemical:	Chemical Process Design (47890) (Time: 01.30 pm to 05.30 pm)
	8. Production:	Process Engineering (47995)
	9. Instrumentation:	Industrial Automation-II (47963)
	10. Electronics & Tele Com.:	Microwave Engineering (47928)
	11. Computer Sci. & Engg.:	Advanced Database System (47919)
	12) Info. Technology.:	Real Time Systems (47973)
	13) Biotechnology:	Pharmaceutical Biotechnology (47878)
Saturday 22.12.2012	1) Civil:	Earthquake Engineering (47903)
	2) Environmental:	1 Environmental Impact Assessment (45955) 2 *Environmental Chemistry and Microbiology (50548) (*Subject for old course repeater students)
	3) Mechanical:	Elective-I Experimental Mechanics (47982)
	4) Automobile:	Alternative Fuels & Emission (47867)
	5) Electrical:	Renewable Energy Sources (47938)
	6) Electronics:	Information Theory & Coding (47949)
	7) Chemical:	Modeling & Simulation in Chemical Engg. (47891)
	8) Production:	Production & Operations Management (47996)
	9) Instrumentation:	Digital Signal Processing (47964)
	10) Electronics & Tele Com.:	Embedded System (47929)
	11) Computer Sci. & Engg.:	= = =
	12) Information Tech	= = =
	13) Biotechnology:	Bioprocesses (47879)

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B.E. SEM. – VII (Old Course)
(Time: 02.30 pm. To 05.30 pm.)

Day & Date	Branch	Paper and Paper Code No.
Monday 24.12.2012	Electrical	*Micro Controller & Applications (39131) *Subject for old course repeater students till passes
"	Civil	Water Resource Engineering-II (54647) (Replace subject for WRE 39201 as per Annexure-A)

B.E. SEM. – VIII (Old Course)
(Time: 02.30 pm. To 05.30 pm.)**Subject continued from old course as per equivalence**

Day & Date	Branch	Paper and Paper Code No.
Tuesday 04.12.2012	Civil Elective-II	iii) Reliability Engineering (39067) v) Hazardous Waste Management (39069) iii) & v) Up to Dec., 2012
"	Environmental	As per equivalence
"	Mechanical Elective-III	i) Material Management (38454) iii) Costing & Cost Optimization (38456) Same subjects for equivalence
"	Electrical Elective-II	i) H.V.D.C. (38476) ii) Power System Harmonics (38477) iii) Electrical & Electronic Materials (38478) Same subjects for equivalence
"	Electronics Elective II	Information Technology (38385)
"	Chemical Elective II	i) Computer Aided Design (38760) ii) Energy Conservation & Recovery (38761) iii) Distillation (38762) iv) Enterprise Resource Planning (38763) v) Artificial Intelligence in Process Industries (38638) vi) Membranes Separation Process & Design (38639) vii) Nuclear Engineering (38640) As per old course up to Dec 2012 (For above i to vii)
"	Production	Quality Management (39138) As per old course
"	Instrumentation Elective-II	i) Optimal & Robust Control (38402) ii) Instrumentation for Pollution Control (38404) As per old course up to Dec 2012
"	Computer Sci. & Engg.	Component Based Technology (51325) Replaced subject for Component Technology (38623)
"	Information Tech. Elective II	i) Multimedia Storage (51328) ii) GS & Remote Sensing Concept (51329) Replace subjects as per equivalence
"	Biotechnology Elective-II	i) Biomedical Fluid Dynamics (38512) ii) Biotechnology for crop Improvement (38513) As per old course Up to Dec. 2012

B.E. SEM. – VIII (Old Course)
(Time: 02.30 pm. To 05.30 pm.)**Subject continued from old course as per equivalence**

Day & Date	Branch	Paper and Paper Code No.
Wednesday 05.12.2012	Civil	Transportation Engineering II (51324)
"	Mechanical Elective-VI	Marketing Management (38458)
"	Automobile	Vehicle Performance(Pre-revised) (38430) Vehicle Performance(Revised) (43689)
"	Electrical	Electrical M/S Design (38474) Subject continued till students passes
"	Electronics	1 Advance Digital Signal Processing. (40335) 2. Modern Control Engg. (40336)
"	Chemical Elective-III	i) Polymer Reaction Engineering (39149) ii) Biochemical Engineering (39150) iii) Petrochemical Technology (39151) iv) New & Renewable Energy Engg. (39152) v) Pharmaceutical Technology-II (38767) vi) Multiphase Reactor Design (38768) vii) Mass Transfer with Chemical Reaction (38769) As per old course Up to Dec 2012 (i to vii)
"	Computer Sci. & Engg.	Web Essentials (41589) Replace Subject for Pre-revised Repeater Candidates Only

Day & Date	Branch	Paper and Paper Code No.
Thursday 06.12.2012	Computer Sci & Engg. Elective-II	1 Mobile Technology & System (51326) 2 Image Processing (51327) Replace subjects as per equivalence

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B.E. SEM. – VIII (New Course) From May 2011**(Time: 02.30 pm to 05.30 pm)**

Day & Date	Paper with Branches	
Monday 26.11.2012	1) Civil	Town Planning & Transporting Engineering (49173)
	2) Environmental	Environmental Management System (46422)
	4) Mechanical:	Mechatronics (49417)
	4) Automobile:	Refrigeration and Air Conditioning (49499)
	5) Electrical:	Electrical Utilization & Transaction (49428)
	6) Electronics:	Computer Network (49434)
	7) Chemical:	Chemical Process & Green Technology (49473)
	8) Production:	Costing and Cost Control (49455)
	9) Instrumentation:	Field Instrumentation & Network (49491)
	10) Electronics & Tele Com.:	Audio & Video Engineering (49516)
	11) Computer Sci. & Engg.	Grid Technology (49447)
	12) Information Tech.:	Distributed Computing (49509)
	13) Biotechnology:	Bio separation Processes (49524)
Tuesday 27.11.2012	1) Civil:	Construction Practice (49174)
	2) Environmental:	Environmental Policy & Legislation (46423)
	3) Mechanical:	Industrial Engineering (49418)
	4) Automobile:	Automotive Electronics (49500)
	5) Electrical:	HVDC System (49429)
	6) Electronics:	Operating System (49435)
	7) Chemical:	Transport Phenomena (49474)
	8) Production:	Computer Integrated Manufacturing System (49456)
	9) Instrumentation:	Process Modeling & Simulation (49492)
	10) Electronics & Tele Com.	Broadband Communication (49517)
	11) Computer Sci. & Engg.	Storage Networks (49448)
	12) Information Tech.:	Information Technology & Business Methodology (49510)
	13) Biotechnology:	Bioprocess Modeling and Simulation (49525)

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B.E. SEM. – VIII (New Course) From May 2011**(Time: 02.30 pm to 05.30 pm)**

Day & Date	Paper with Branches	
Thursday 29.11.2012	1) Civil:	Design of Concrete Structure - II (49175)
	2) Environmental:	Industrial Health & Safety (46424)
	3) Mechanical:	Power Engineering (49419)
	4) Automobile:	Automotive System Design (49501)
	5) Electrical:	Electrical Initialization, Testing and Maintenance (49430)
	6) Electronics:	Microwave Engineering (49436)
	7) Chemical:	P.E.P.E. (49475)
	8) Production:	Advanced Industrial Engineering (49457)
	9) Instrumentation:	Project Planning Estimation & Assessment (49493)
	10) Electronics & Tele Com.:	Image Processing (49518)
	11) Computer Sci. & Engg.:	Real Time Operating System (49449)
	12) Info. Technology.:	Storage Network (49511)
	13) Biotechnology:	Bioprocess Engineering & Economics (49526)
Friday 30.11.2012	1) Civil:	Elective – II 1 Advance Concrete Design (49176) 2 Design Of Industrial Structure (49177) 3 Analysis and Design of Earthquake Resisting Structure (49178) 4 Structural Design of Foundation and Retaining Structures (49179) 5 Pavement Analysis, Design and Evaluation (49180) 6 Remote sensing applications in civil engineering (49181) 7 Hydrology and Watershed Management (49182) 8 Site investigation methods and practices (49183) 9 Entrepreneurships (49184) 10 Air Pollution & Control (49185)
	2) Environmental:	Hazardous Waste Management (46425)
	3) Mechanical:	Elective – III 1 Production Management (49420) 2 MEMS (49421) 3 Machine Tools Design (49422) 4 Computational Fluid Dynamics (49423)
	4) Automobile:	Vehicle Performance (49502)
	5) Electrical:	Elective – II 1 EHVAC (49431) 2 Computer Aided Power System (49534) 3 Advanced Digital Signal Processing (49535) 4 Restructured Power System (49536)

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B.E. SEM. – VIII (New Course) From May 2011**(Time: 02.30 pm to 05.30 pm)**

Friday 30.11.2012	6) Electronics:	Elective-II 1 Broad Band Communication (49437) 2 Wireless Communication Network (49438) 3 Biomedical Control & Instrumentation (49439) 4 CMOS VLSI Design (49440) 5 Advanced Digital Signal Processors (49441) 6 System On Chip (49442) 7 Mechatronics (49443) 8 Process Instrumentation (49444) 9 Neural Network & Applications (49445)
	7) Chemical:	Elective-II 1 Bio-Chemical Engineering (49476) 2 Petrochemical Technology (49477) 3 Computer Aided Design (49478) 4 Distillation (49479) 5 Enterprise Resource Planning (49480) 6 Artificial Intelligence in Process Engineering (49481) 7 Member Separation Process and Design (49482) 8 Nuclear Engineering (49483)
	8) Production:	Elective – I 1 Marketing Management (49458) 2 Material Management (49459) 3 Data base Engineering (49460) 4 Entrepreneurship Development (49461) 5 Financial Management (49462) 6 Environment & Pollution Control (49463) 7 Organizational Behaviour (49464)
	9) Instrumentation:	Elective – II 1 Power Plant Instrumentation (49494) 2 Biomedical Instrumentation (49495) 3 Advanced Digital Signal Processing (49496) 4 Embedded System (49497)
	10) Electronics & Tele Com.:	Elective – II 1 Speech Processing (49519) 2 Pattern Recognition (49520) 3 Mobile Communication (49521) 4 Real Time Systems (49522)
	11) Computer Sci. & Engg.:	Elective – II 1 Data Mining (49451) 2 Adhoc Wireless Network (49452) 3 Business Intelligence System (49453)
	12) Information Tech.:	Elective – II 1 Business Intelligent System (49513) 2 ANN & Genetic Algorithm (49514)
	13) Biotechnology:	Animal Biotechnology (49527)

B.E. SEM. – VIII (Contd..) (New Course) From May 2011
(Time: 02.30 pm to 05.30 pm)

Day & Date	Paper with Branches	
Saturday 01.12.2012	1) Civil :	Elective – III 1 Advance Prestressed Concrete Design (49186) 2 Design of Bridges (49187) 3 Dynamics of Structure (49188) 4 Ground Improvement (49189) 5 Project Planning, Economics and Financing (49190) 6 Rock Mechanics (49191) 7 Water Power Engineering (49192) 8 Advance Construction Techniques (49193) 9 Optimization technique (49413) 10 Industrial Waste Treatment (49414)
	2) Environmental :	1) Managerial Techniques (46426) 2) Watershed Management (46427) 3) Environmental Modeling & Simulation (46428) 4) Occupational Health & Safety Management Systems (46429)
	3) Mechanical :	Elective-IV 1 Industrial Automation and Robotics (49546) 2 Enterprise Resource Planning (49424) 3 Cryogenics (49425) 4 P.I.C. & SCADA Programming (49426)
	4) Automobile :	Elective – III 1 Transport Management (49503) 2 Entrepreneurship Development (49504) 3 Tractor and Farm Equipment (49505) 4 Maintenance Management (49506) 5 Operation Research (49507)
	7) Chemical :	Elective – II 1 Energy Conservation and Recovery 49484 2 Polymer Reaction Engineering 49485 3 Pharmaceutical Technology-II 49486 4 Multiphase Reactor Design 49487 5 Mass Transfer with Chemical Reaction 49488
	8) Production :	Elective – II 1 Flexible Manufacturing Systems (49465) 2 Artificial Intelligence (49466) 3 Industrial Robotics (49467) 4 Low Cost Automation (49468) 5 Material Handling System (49469) 6 Advanced Foundry Technology (49470) 7 Advanced Tool & Die Design (49471)
	13) Bio Technology :	Elective – II 1 Applied Genetic Engineering (49528) 2 Food and Dairy Technology (49529) 3 Metabolic Engineering (49530) 4 Advanced Biomaterials (49531)

(P.T.O)

NOTE:

- 1) The candidates are permitted to use stencils at the Examination.
- 2) The candidates for examination are expected to provide themselves with Slide Rules.
- 3) The exchange or loan of slide rules, drawing instruments or other material used in the examination is not permitted while the examination is in progress. Candidates must bring their own instruments.
- 4) The candidates are allowed to use the electronic calculators for numerical calculations at their own cost. University will not supply such calculators.
- 5) The Practical and Oral Examinations will take place before starting of the theory examination. The examiners will notify the day, date and place on the notice Board of the concerned Colleges. Students must be present at the time and place appointed for their practical examination. Those who fail to present themselves at the appointed time and place will not be examined in Practical and oral.
- 6) The Examination Programme is subject to change. If there is any change in the programme of the examination, it will be communicated in time, however the University is not responsible for any loss or inconvenience caused to the candidate.
- 7) The seating arrangement is made date-wise & subject-wise; therefore candidates are requested to see their seating arrangement one day before the date of Examination.
- 8) All the students should verify the customized time table printed on their hall ticket with the final programme sent to their college (also available at our web site) at least two days prior to the date of examinations. If any mistake in hall ticket time table will be final.
- 9) The cellular Phone, Pager, Scientific Calculator, Digital Diary or any means, which can be used for unfair practices, are not allowed in the examination hall.

Date: 28-08-2012
Vidyanagar,
KOLHAPUR - 416 004.

Dr. B. M. Hirdekar
Controller of Examinations

(P.T.O)