



SHIVAJI UNIVERSITY, KOLHAPUR-416004, MAHARASHTRA

शिवाजी विद्यापीठ, कोल्हापूर-४१६००४ महाराष्ट्र

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Reaccredited by  
NAAC (2014) With CGPA-3.16

PHONE: EPABX – 0091-0231-2609000

Engineering & Technology Exam. Section: 0231-2609122  
Website: www.unishivaji.ac.in

CoE Office: 0231-2693176

FAX: 0091-0231-2690655  
E-mail: coe@unishivaj

S.U./Engg.& Tech.Exam.Sect./35

Date :- 04<sup>th</sup> April, 2016

To,

The Principals/Directors,

Affiliated Colleges/Institutes

**Sub:- Programme of the FE to BE Examination**

**to be held in April, 2016.**

Sir/Madam,

Please find enclosed here with the Theory Programme of above examinations to be held in April, 2016. Kindly display the same on the notice board of your Institute immediately for the information of the students and teachers concerned.

The Programme is available on the University website i.e. [www.unishivaji.ac.in](http://www.unishivaji.ac.in)

Thanking you,

Yours faithfully,

Sd/-

Assistant 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



**SHIVAJI UNIVERSITY, KOLHAPUR.**  
**Circular No. - 507 - Exam of April - 2016.**

**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 /Aeronautical Engg. / Mechanical and Automation Engg. to be held in **April- 2016.**

- 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.
- 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		D.Y. Patil Prathisthans College of Engineering, Salokhe Nagar, Kolhapur.
7	JAYSINGPUR	J. J. Magdum College of Eng. Jaysingpur
8	BUDHAGAON	P.V.P. Institute of Technology, Budhagaon.
9	SAKHARALE	Rajarambapu Institute of Tech. College of Eng. Sakharale
10	SATARA	K.B.P. College of Eng. & Polytechnic, Satara
11	ICHALKARANJI	D.K.T.E.'s Textile & Engg. Inst. Ichalkaranji
12	WARANANAGAR	Tatyasaheb Kore Inst. of Eng. & Tech. Warananagar
13	SANGLI	Shri Ambabai Talim, College of Engg & Tech, Wanlesswadi Miraj
14	LIMB	Satara College of Engg. & Mgt. Limb, Tal:/Dist: Satara.
15	BANAWADI	Dr. Daulatrao Aher College of Engg. Banawadi
16	VITA	Adarsh Inst. of Tech.& Research Centre, Vita, Dist: Sangli
17	Yadrav	Sharad Institute of Tech's College of Engg Yadrav, Tal: Shirol,
18	Wadwadi	Abhinav Edu.Society, College of Engg & Tech, Wadwadi, Khandala.
19	Atigre	Sou.S.D. Ghodawat Charitable Trust's Group of Insti., Atigre
20	Panhala	Sanjeevan Engineering & Technology, Institute, Panhala,
21	Vathar-tarf - Vadgaon	Shri. Balasaheb Mane Shikshan Prasarak Mandal, Group of Institutions, Vathar-Tarf-Wadgaon,
22	Kille Machindragad - Only FE & SE Fresh , TE/BE & BE Repeater Exam will be conducted	Jaywant College of Engg. & Mgt., Walva, Kille Machindragad.
23	Panmalewadi, Post : Varye,	Arvind Gavali College of Engineering, Panmalewadi, Post : Varye, Tal/Dist: Satara.
24	Vikaswadi, Tal.-Kagal	Dhananjay Mahadik Group of Institutions, 209/A, NH-4, Vikaswadi, Kagal, Kolhapur

25	Talsande, Tal.-Hatkanangale	D.Y. Patil Education Society's, D.Y. Patil Technical Campus, Talsande, Tal: Hatkanangale, Dist: Kolhapur.
26	Thakurki, Tal.- Phaltan	Phaltan Education Society's Colege of Engineering, Sr.No. 31, A/p: Thakurki, Tal: Phaltan, Dist: Satara.
27	Wadhe, Satara	Yashoda Technical Campus, Faculty of Engg, Wadhe, Satara.
28	Peth, Tal.- Walwa	Nanasaheb Mahadik College of Engineering Peth,
29	Kasarwadi	Genesis Institute of Tech. Kasarwadi, Tal: Hatkanangale
30	Chinchewadi	Sant. Gajanan Maharaj College of Engineering Chinchewadi, Tal; Gadhinglaj
31	Patgaon	Shivganga Charitable Trust Sangli's Vishveshwariya Technical Campus Faculty of Degree Engg, Patgaon, Miraj, Miraj Pandharpur Road, MIRAJ.
32	Sajjangad	Dnyanashree Institute of Engg & Tech. Sonavadi Gajawadi, Sajjangad Road, Tal/Dist: Satara.
33	Guddai A/P- Bhadgaon, Tal -Gadhinglaj.	Dr. A.D. Shinde College of Engineering, Guddai., A/P- Bhadgaon, Tal - Gadhinglaj.

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

**First Year – Semester 1 & 2**  
**(Time 10.30 a.m to 01.30 p.m.)**

Day	Date	Subject Code	Subject Name
Saturday	16-Apr-16	59933	Engineering Mathematics- II
Monday	18-Apr-16	59176	Engineering Physics
Thursday	21-Apr-16	59183	Engineering Chemistry
Saturday	23-Apr-16	59178	Basic Electrical Engineering
Monday	25-Apr-16	59184	Fundamentals of Electronics and Computer
Wednesday	27-Apr-16	59179	Basic Civil Engineering
Saturday	30-Apr-16	59185	Applied Mechanics
Monday	2-May-16	59180	Engineering Graphics <b>(Time 09.30 a.m. to 1.30 p.m.)</b>
Friday	6-May-16	59177	Engineering Mathematics-1
Saturday	7-May-16	59186	Basic Mechanical Engineering

## Second Year – Semester 3

(Time 03.00 p.m. to 6.00 p.m.)

Day	Date	Branch	Subject Code	Subject Name
Friday	29-Apr-16	Civil	63338	Engineering Maths- III
		Mech.	63350	Engineering Maths- III
		Electrical	63368	Engineering Maths- III
		Electronics	63434	Engineering Maths- III
		CSE	63524	Applied Mathematics Written : 02.30 pm to 04.30 pm Online : 05.00 pm to 06.00 pm O M R : 06.00 pm to 07.00 pm
		Prod.	63472	Machine Tools & Processes
		Environ	63500	Engineering Maths- III
		Chem.	63421	Engineering Maths- III
		Instru.	63487	Transducer Technology
		Auto.	63380	Engineering Maths- III
		IT	63512	Discrete Mathematical Structures
		ETC	63460	Engineering Maths- III
		Bio Tech.	63446	Engineering Maths- III
		EE	50183	Engineering Mathematics-iii
		AE	63991	Engineering Maths- III
MAE	64007	Engineering Maths- III		
Saturday	30-Apr-16	Civil	63339	Surveying- I
		Mech.	63351	Electrical Technology
		Electrical	63369	Electrical Engineering Materials & Energy Conversion
		Electronics	63435	Electronic Measurement and Instrumentation
		CSE	63525	Discrete Mathematical Structures Written : 02.30 pm to 04.30 pm Online : 05.00 pm to 06.00 pm O M R : 06.00 pm to 07.00 pm
		Prod.	63473	Engineering Maths- III
		Environ	63501	Environmental Chemistry & Microbiology
		Chem.	63422	Chemistry- I
		Instru.	63488	Applied Electronics
		Auto.	63381	Electrical Technology
		IT	63513	Digital System and Microprocessor Written : 02.30 pm to 04.30 pm Online : 05.00 pm to 06.00 pm O M R : 06.00 pm to 07.00 pm
		ETC	63461	Analog Circuits– I
		Bio Tech.	63447	Unit Operations – I
		EE	50184	Digital Electronics and Linear Integrated Circuits
		AE	63992	Applied Thermodynamics
MAE	64008	Thermal Science		
Monday	2-May-16	Civil	63340	Strength of Material -I
		Mech.	63352	Applied Thermodynamics
		Electrical	63370	Analog Electronics Engineering
		Electronics	63436	Electronic Circuit Analysis & Design -I
		CSE	63526	Data Structures Written : 02.30 pm to 04.30 pm Online : 05.00 pm to 06.00 pm O M R : 06.00 pm to 07.00 pm
		Prod.	63474	Machine Drawing (Time 2.30 p.m. to 6.30 p.m.)
		Environ	63502	Fluid Mechanics- I
		Chem.	63423	SOM & MOC
		Instru.	63489	Linear Integrated Circuits
		Auto.	63382	Applied Thermodynamics

Day	Date	Branch	Subject Code	Subject Name
Monday	2-May-16	IT	63514	Data Communication Written : 02.30 pm to 04.30 pm Online : 05.00 pm to 06.00 pm O M R : 06.00 pm to 07.00 pm
		ETC	63462	Digital Electronics
		Bio Tech.	63448	Macromolecules And Biomembranes
		EE	50185	Electrical Circuit Analysis
		AE	63993	Fluid Mechanics
		MAE	64009	Electric Drives and Controls
Tuesday	3-May-16	Civil	63341	Fluid Mechanics- I
		Mech.	63353	Metallurgy
		Electrical	63371	Electromagnetic and Electrical Circuits
		Electronics	63437	Analog Communication
		CSE	63527	Data Communication Written : 02.30 pm to 04.30 pm Online : 05.00 pm to 06.00 pm O M R : 06.00 pm to 07.00 pm
		Prod.	63475	Thermal Engineering
		Environ	63503	Surveying Remote Sensing & GIS
		Chem.	63424	Fluid Mechanics
		Instru.	63490	Mathematics- III
		Auto.	63383	Automotive Materials and Manufacturing
		IT	63515	Fundamentals of Economics and Management
		ETC	63463	Network Analysis
		Bio Tech.	63449	Cell Biology
		EE	50186	Electronic Circuit Analysis and Design
		AE	63994	Elements of Aeronautics
MAE	64010	Fluid Mechanics		
Saturday	7-May-16	Civil	63342	Building Constructions & Materials (Time 2.30 p.m. to 6.30 p.m.)
		Mech.	63354	Fluid Mechanics
		Electrical	63372	Measurements and Instrument
		Electronics	63438	Network Analysis
		CSE	63528	Microprocessors Written : 02.30 pm to 04.30 pm Online : 05.00 pm to 06.00 pm O M R : 06.00 pm to 07.00 pm

Day	Date	Branch	Subject Code	Subject Name
Saturday	7-May-16	Prod.	63476	Electrical & Electronics Engineering
		Environ	63504	Ecology & Environmental Sanitation
		Chem.	63425	Mechanical Operations
		Instru.	63491	Electrical Machines & Drives
		Auto.	63384	Fluid Mechanics
		IT	63516	Statistics & Fuzzy Systems
		ETC	63464	Transducers and Measurements
		Bio Tech.	63450	Microbiology
		EE	50187	Power Systems-i
		AE	63995	Mechanics of Solids
		MAE	64011	Manufacturing Technology
Monday	9-May-16	IT	63517	Problem Solving Using 'C' <b>Online</b> : 02.30 pm to 03.30 pm <b>O M R</b> : 04.00 pm to 05.00 pm
		MAE	64012	Mechanical Engineering Drawing

### Second Year – Semester 3 (Old Syllabus)

Monday	9-May-16	Mechanical	42663	Machine Drawing (Chances upto May 2016 only) <b>(Time 2.30 p.m. to 6.30 p.m.)</b>
		Electronics	42676	Electrical Mechanics (Chances upto May 2016 only) <b>(Time 03.00 p.m. to 6.00 p.m.)</b>

## Second Year – Semester 4

(Time 10.30 a.m. to 1.30 p.m.)

Day	Date	Branch	Subject Code	Subject Name
Sunday	17-Apr-16	Civil	63344	Structural Mechanics
		Mech.	63360	Applied Numerical Method
		Electrical	63374	DC Machines And Transformer
		Electronics	63440	Linear Integrated Circuits
		CSE	63531	Automata Theory <b>Written</b> : 10.00 am to 12.00 am <b>Online</b> : 12.30 pm to 01.30 pm <b>O M R</b> : 01.30 pm to 02.30 pm
		Prod.	63479	Foundry Technology
		Environ	63506	Water Resources Engineering
		Chem.	63427	Engineering Mathematics-IV
		Instru.	63493	Electronics & Electrical Measuring Instruments
		Auto.	63388	Computational Methods
		IT	63518	Computer Network <b>Written</b> : 10.00 am to 12.00 am <b>Online</b> : 12.30 pm to 01.30 pm <b>O M R</b> : 01.30 pm to 02.30 pm
		ETC	63466	Analog Circuits-II
		Bio Tech.	63453	Biostatistics
		EE	51184	Electric Machine - I
		AE	63999	Aerodynamics-I
MAE	64015	Strength Of Materials		
Wednesday	20-Apr-16	Civil	63345	Surveying-II
		Mech.	63361	Analysis of Mechanical Elements
		Electrical	63375	Power Electronics
		Electronics	63441	Electronics Circuits Analysis Design-II
		CSE	63532	Computer Networks <b>Written</b> : 10.00 am to 12.00 am <b>Online</b> : 12.30 pm to 01.30 pm <b>O M R</b> : 01.30 pm to 02.30 pm
		Prod.	63480	Advanced Machine Tools And Processes
		Environ	63507	Environmental Geology
		Chem.	63428	Chemistry-II
		Instru.	63494	Digital System
		Auto.	63389	Kinematics Of Machines <b>(Time 09.30 a.m. to 1.30 p.m.)</b>
		IT	63519	Computer Organization And Architecture <b>Written</b> : 10.00 am to 12.00 am <b>Online</b> : 12.30 pm to 01.30 pm <b>O M R</b> : 01.30 pm to 02.30 pm
		ETC	63467	Linear Integrated Circuits
		Bio Tech.	63454	Unit Operation-2
		EE	51185	Power Systems-II
		AE	64000	Aircraft Production Technology
MAE	64016	Numerical Analysis		
Friday	22-Apr-16	Civil	63346	Concrete Technology
		Mech.	63362	Fluid and Turbo Machinery
		Electrical	63376	Power Systems I
		Electronics	63442	Data Structures And Algorithms
		CSE	63533	Computer Organization <b>Written</b> : 10.00 am to 12.00 am <b>Online</b> : 12.30 pm to 01.30 pm <b>O M R</b> : 01.30 pm to 02.30 pm
		Prod.	63481	Theory Of Machines-I <b>(Time 09.30 a.m. to 1.30 p.m.)</b>
		Environ	63508	Environmental Hydraulics
		Chem.	63429	Process Calculations
		Instru.	63495	Network & Circuit Theory
Auto.	63390	Metallurgy And Metal Treatment		



Day	Date	Branch	Subject Code	Subject Name
Friday	22-Apr-16	IT	63520	Data Structures <b>Written</b> : 10.00 am to 12.00 am <b>Online</b> : 12.30 pm to 01.30 pm <b>O M R</b> : 01.30 pm to 02.30 pm
		ETC	63468	Data Structure
		Bio Tech.	63455	Enzyme Technology
		EE	51186	Electrical & Electronics Measurement
		AE	64001	Material Science And Engineering
		MAE	64017	Metrology And Quality Control
Sunday	24-Apr-16	Civil	63347	Fluid Mechanics-II
		Mech.	63363	Theory of Machines-I <b>(Time 09.30 a.m. to 1.30 p.m.)</b>
		Electrical	63377	Network Analysis And Synthesis
		Electronics	63443	Digital System And Microprocessor
		CSE	63534	Operating System-I <b>Written</b> : 10.00 am to 12.00 am <b>Online</b> : 12.30 pm to 01.30 pm <b>O M R</b> : 01.30 pm to 02.30 pm
		Prod	63482	Analysis Of Machine Elements
		Environ	63509	Structural Mechanics-I
		Chem.	63430	Heat Transfer
		Instru.	63496	Statistical Methods In Instrumentation
		Auto.	63391	Fluid Machinery
		IT	63521	Theory Of Computation
		ETC	63469	Electromagnetic Engineering
		Bio Tech.	63456	Molecular Biology
		EE	51187	Signals and Systems
		AE	64002	Applied Numerical Methods
MAE	64018	Machine Tool Systems		
Tuesday	26-Apr-16	Civil	63348	Building Design & Drawing <b>(Time 09.30 a.m. to 1.30 p.m.)</b>
		Mech.	63364	Machine Tools and Processes
		Electrical	63378	Control System I
		Electronics	63444	Control System Engineering
		CSE	63535	Software Engineering <b>Written</b> : 10.00 am to 12.00 am <b>Online</b> : 12.30 pm to 01.30 pm <b>O M R</b> : 01.30 pm to 02.30 pm
		Prod.	63483	Welding Technology

Day	Date	Branch	Subject Code	Subject Name
Tuesday	26-Apr-16	Environ	63510	Construction Technology
		Chem.	63431	Chemical Engineering Thermodynamics-I
		Instru.	63497	Fluid Flow & Heat Transfer
		Auto.	63392	Strength Of Materials
		IT	63522	Software Engineering
		ETC	63470	Analog Communication Systems
		Bio Tech.	63457	Metabolic Pathways
		EE	51188	Microprocessors and Peripherals
		AE	64003	Electrical,Electronics And Communications Engineering
		MAE	64019	Theory Of Machines (Time 09.30 a.m. to 1.30 p.m.)
Thursday	28-Apr-16	MAE	64020	Fluid And Turbo Machinery

## Second Year – Semester 4 (Old Syllabus – Chances Up to May, 2017)

Day	Date	Branch	Subject Code	Subject Name
Sunday	17-Apr-16	IT	43640	Object Oriented Design & Programming
Wednesday	20-Apr-16	Electrical	43644	A.C. Machines
		Instru.	43630	Automatic Control systems
Friday	22-Apr-16	Electrical	43645	Industrial Management & Economics
		Electronics	43611	Digital Design
Sunday	24-Apr-16	Electrical	43647	Digital system & Microprocessor
		Auto.	43605	Manufacturing Processes
Thursday	28-Apr-16	Auto.	43606	Computer Aided Drafting
		Electrical	43643	Signals & systems
		Electronics	43610	Signals & systems
		CSE	43617	Advanced Microprocessors Written : 10.00 am to 12.00 am Online : 12.30 pm to 01.30 pm O M R : 01.30 pm to 02.30 pm
		Mech.	43595	Machine Tool

Sunday	08-May-2016	All Branches	58406	Environmental Studies (Old) (Time: 11.00 am to 01.00 pm.)
Sunday	08-May-2016	All Branches	100166	Environmental Studies (Time: 11.00 am to 02.00 pm.)

## Third Year – Semester 5 (Old Syllabus) (Last Chance)

(Time 10.30 a.m. to 1.30 p.m.)

Day	Date	Branch	Subject Code	Subject Name
Friday	29-Apr-16	Civil	45536	Designs of Steel Structures
		Mech.	45549	Theory of Machines-II
		Electrical	45576	Electromagnetic
		Electronics	45589	Microprocessor Peripherals & Interfacing
		CSE	40016	Computer Network Concepts
		Prod.	45615	Metallurgy-I
		Environ	42958	Waste Water Engineering
		Chem.	45630	Process Instrumentation & Instrumental Methods of Analysis
		Instru.	45643	Fiber Optics & Communication
		Auto.	45656	Dynamics of Machines
		IT	45672	Operating System - I
		ETC	45686	Microcontroller
		Bio Tech.	45698	Biological Thermodynamics
Saturday	30-Apr-16	Civil	45537	Geo-technical Engineering-I
		Mech.	45550	Heat & Mass Transfer
		Electrical	45577	Power System Analysis
		Electronics	45590	Analog Integrated Circuits & Applications
		CSE	45601	Computer Graphics <b>Written</b> : 10.00 am to 12.00 am <b>Online</b> : 12.30 pm to 01.30 pm <b>O M R</b> : 01.30 pm to 02.30 pm
		Prod.	45616	Theory of Machines-II
		Environ	42959	Urban & Rural Planning
		Chem.	45631	Computer Techniques in Chemical Engg.
		Instru.	45644	Advanced Control Systems
		Auto.	45657	Heat & Mass Transfer
		IT	45673	Computer Network
		ETC	45687	Signals & Systems
		Bio Tech.	45699	Immunology
Monday	2-May-16	Civil	45538	Water Resources Engg.-I
		Mech.	45551	Machine Design-I
		Electrical	45578	Instrumentation Techniques
		Electronics	45591	Digital System Design
		CSE	45602	System Programming
		Prod.	45617	Design of Machine Elements
		Environ	42960	Water Resources Engineering
		Chem.	45632	Mass Transfer-I
		Auto.	45658	Principles of Design & Component Design
		IT	45674	Object Oriented Modeling and Design
		ETC	45688	Antennas and Wave Propagation
		Bio Tech.	45700	Fermentation Technology
		Instru.	45645	Industrial Power Electronics
Tuesday	3-May-16	Civil	45539	Concrete Technology
		Mech.	45564	Metrology & Quality Control
		Electrical	45579	Feedback Control Systems
		Electronics	45592	Electromagnetic Engineering
		CSE	45603	Operating System-I
		Prod.	45618	Metal Cutting Technology
		Environ	42961	Environmental Geotechnology
		Chem.	45633	Chemical Engg. Thermodynamics-II
		Instru.	45646	Unit Operation
		Auto.	45659	Metrology & Quality Control
		IT	45675	System Software
		ETC	45689	Linear Integrated Circuits

Day	Date	Branch	Subject Code	Subject Name
Tuesday	3-May-16	Bio Tech.	45701	Genetic Engineering
Saturday	7-May-16	Civil	45540	Environmental Engineering-I
		Mech.	45565	Manufacturing Engineering <b>(Time 09.30 a.m. to 1.30 p.m.)</b>
		Electrical	45580	Digital Signal Processing
		Electronics	45593	Control System Engineering
		CSE	45604	Computer Algorithms
		Prod.	45619	Metal Forming & Plastics Technology
		Environ	42962	Green Building
		Chem.	45634	Chemical Equipment Design-I
		Instru.	45647	Analytical Instrumentation
		Auto.	45660	Automotive Transmission
		IT	45676	Organizational Management & Behavior
		ETC	45690	Optical Communication & Net work
		Bio Tech.	45702	Bioinformatics
Monday	9-May-16	Mech.	48709	Control Engineering (MOD
		CSE	45605	Network Technologies <b>Written</b> : 10.00 am to 12.00 am <b>Online</b> : 12.30 pm to 01.30 pm <b>O M R</b> : 01.30 pm to 02.30 pm
		Prod.	45620	Metrology

**Third Year – Semester 5**  
**(Time 10.30 a.m. to 1.30 p.m.)**

Day	Date	Branch	Subject Code	Subject Name
Friday	29-Apr-16	Civil	66235	Water Resource Engineering-I
		Mech.	66241	Control Engineering
		Electrical	66250	Digital Electronics and Microcontroller
		Electronics	66280	Signal and Systems
		CSE	66293	Computer Graphics <b>Written</b> : 10.00 am to 12.00 am <b>Online</b> : 12.30 pm to 01.30 pm <b>O M R</b> : 01.30 pm to 02.30 pm
		Prod.	66286	Metallurgy
		Environ	66268	Water Supply Engineering
		Chem.	66274	Process Instrumentation and Instrumental Methods of Analysis
		Instru.	66263	Power Electronics
		Auto.	66256	Dynamics of Machines
		IT	66300	Operating System-I <b>Written</b> : 10.00 am to 12.00 am <b>Online</b> : 12.30 pm to 01.30 pm <b>O M R</b> : 01.30 pm to 02.30 pm
		ETC	66314	Antenna and Wave Propagation
		Bio Tech.	66307	Bioprocess Calculations
		EE	55792	Electric Machine-II
		AE	66320	Aircraft Structures
MAE	66440	Non Conventional Energy Sources		
Saturday	30-Apr-16	Civil	66236	Design of Steel Structures
		Mech.	66242	Theory of Machine - II
		Electrical	66251	AC Machines
		Electronics	66281	Microcontroller
		CSE	66294	System Programming
		Prod.	66287	Theory of Machines-II
		Environ	66269	Engineering Management and Economics
		Chem.	66275	Computer Techniques in Chemical Engg.
		Instru.	66264	Process Control
		Auto.	66257	Hydraulics and Pneumatics
		IT	66301	Database Engineering <b>Written</b> : 10.00 am to 12.00 am <b>Online</b> : 12.30 pm to 01.30 pm <b>O M R</b> : 01.30 pm to 02.30 pm
		ETC	66315	Control Systems
		Bio Tech.	66308	Biological Thermodynamics
		EE	55793	Power Systems Analysis
		AE	66321	Aerodynamics-II
MAE	66441	Microprocessors and Applications		
Monday	2-May-16	Civil	66237	Environmental Engineering-I
		Mech.	66243	Heat and Mass Transfer
		Electrical	66252	Power Systems II
		Electronics	66282	Electromagnetic Engineering
		CSE	66295	Object Oriented Modeling and Design <b>Written</b> : 10.00 am to 12.00 am <b>Online</b> : 12.30 pm to 01.30 pm <b>O M R</b> : 01.30 pm to 02.30 pm
		Prod.	66288	Design of Machine Elements
		Environ	66270	Transportation Engineering and Town Planning
		Chem.	66276	Mass Transfer-I
		Instru.	66265	Biomedical Instrumentation
		Auto.	66258	Automotive Chassis
		IT	66302	Computer Algorithms
		ETC	66316	Signals and Systems
		Bio Tech.	66309	Fermentation Technology - I
		EE	55794	Electromagnetic Engg.
		AE	66322	Aerospace Propulsion-I
MAE	66442	Machine Design I		

Day	Date	Branch	Subject Code	Subject Name
Tuesday	3-May-16	Civil	66238	Geotechnical Engineering - I
		Mech.	66244	Machine Design - I
		Electrical	66253	Control System II
		Electronics	66283	VLSI Design
		CSE	66296	Computer Algorithms
		Prod.	66289	Metrology
		Environ	66271	Geotechnical Engineering
		Chem.	66277	Chemical Engg. Thermodynamics-II
		Instru.	66266	Automatic Control System
		Auto.	66259	Metrology & Quality Control
		IT	66303	System Programming
		ETC	66317	Power Electronics
		Bio Tech.	66310	Genetic Engineering
		EE	55795	Control System
		AE	66323	Flight Mechanics-I
MAE	66443	Database Management Systems		
Saturday	7-May-16	Civil	66239	Transportation Engineering-I
		Mech.	66245	Manufacturing Engineering <b>(Time 09.30 a.m. to 1.30 p.m.)</b>
		Electrical	66254	Signals and Systems
		Electronics	66284	Digital Communication
		CSE	66297	Network Technologies <b>Written :</b> 10.00 am to 12.00 am <b>Online :</b> 12.30 pm to 01.30 pm <b>O M R :</b> 01.30 pm to 02.30 pm
		Prod.	66290	Metal Forming & Plastics Engineering
		Environ	66272	Building Planning & Design <b>(Time 09.30 a.m. to 1.30 p.m.)</b>
		Chem.	66278	Chemical Equipment Design-I
		Instru.	66267	Microcontroller and Application
		Auto.	66260	Heat and Mass Transfer
		IT	66304	Object Oriented Modeling and Design
		ETC	66318	Digital Communication
		Bio Tech.	66311	Bioinformatics
		EE	55796	Power Electronics
		AE	66324	Air Transportation Systems
MAE	66444	Material Science and Metallurgy		
Monday	9-May-16	Prod.	66291	Metal Cutting Theory
		Auto.	66261	Industrial organization and Engineering Economics
		Bio Tech.	66312	Immunology
		MAE	66445	Instrumentation and Control

## Third Year – Semester 6 (Old Syllabus) (Up to December, 2016)

**(Time 03.00 p.m. to 6.00 p.m.)**

Day	Date	Branch	Subject Code	Subject Name
Saturday	16-Apr-16	Civil	45542	Structural Mechanic-III
		Mech.	45568	Machine Design -II
		Electrical	45583	Power System Stability and Control
		Electronics	45595	Microcontrollers
		CSE	45608	Compiler Construction <b>Written</b> : 02.30 pm to 04.30 pm <b>Online</b> : 05.00 pm to 06.00 pm <b>O M R</b> : 06.00 pm to 07.00 pm
		Prod.	45622	Metallurgy-II
		Environ	43683	Air Pollution-I
		Chem.	45636	Industrial Economics, Management & Entrepreneurship
		Instru.	45649	Microcontroller & Applications
		Auto.	45664	Automotive Component Manufacturing
		IT	45679	Database Engineering
		ETC	45692	Digital Signal Processing
		Bio Tech.	45705	Bio Instrumentation
Monday	18-Apr-16	EE	55798	Power System Stability & Control
		Civil	45543	Geotechnical Engineering-II
		Mech.	45569	Renewable Energy Engineering
		Electrical	45584	Control System Design
		Electronics	45596	Digital Communication
		CSE	45609	Operating System-II
		Prod.	45623	Industrial Management
		Environ	43684	Solid Waste Management
		Chem.	45637	Plant Utility & Pollution Control
		Instru.	45650	Industrial Automation-I
		Auto.	45665	Industrial Organization & Management
		IT	45680	Operating System-II
		ETC	45693	Digital Communication
Bio Tech.	45706	Medical Bio Technology		
Thursday	21-Apr-16	EE	55799	Electrical Drives and Control
		Civil	45544	Engineering Management
		Mech.	45570	I.C. Engines
		Electrical	45585	Power Electronics
		Electronics	45597	Power Electronics
		CSE	45610	Database Engineering
		Prod.	45624	Industrial Hydraulics and Pneumatics
		Environ	43685	Environmental Management
		Chem.	45638	Mass Transfer-II
		Instru.	45651	Process Control
		Auto.	45666	I.C. Engines
		IT	45681	Software Testing and Quality Assurance
		ETC	45694	VLSI Design
Bio Tech.	45707	Microbial Technology		
Saturday	23-Apr-16	EE	55800	Microcontroller and ITS Applications
		Civil	45545	Water Resource Engineering-II
		Mech.	45571	Industrial Fluid Power
		Electrical	45586	Microcontroller & Its Applications
		Electronics	45598	Digital Signal Processing
Saturday	23-Apr-16	CSE	45611	Object Oriented Modeling and Design <b>Written</b> : 02.30 pm to 04.30 pm <b>Online</b> : 05.00 pm to 06.00 pm <b>O M R</b> : 06.00 pm to 07.00 pm
		Prod.	45625	Design of Jigs Fixtures and Dies

Day	Date	Branch	Subject Code	Subject Name
Saturday	23-Apr-16	Environ	43686	Noise Pollution Control
		Chem.	45639	Process Dynamics & Control
		Instru.	45652	Signals & Systems
		Auto.	45667	Automotive Chassis
		IT	45682	Internet Technology
		ETC	45695	Industrial & Power Electronics
		Bio Tech.	45708	Drug Development and Gene Therapy
		EE	55801	Communication Engineering
Monday	25-Apr-16	Civil	45546	Environmental Engineering-II
		Mech.	45572	Computer Integrated Manufacturing
		Electrical	45587	Communication Engineering
		Electronics	45599	Industrial Management & Operation Research
		CSE	45612	Information Security
		Prod.	45626	Quality Management
		Environ	43687	Quality Surveying & Valuation <b>(Time 02.30 p.m. to 6.30 p.m.)</b>
		Chem.	45640	Chemical Reaction Engineering-I
		Instru.	45653	Industrial Management
		Auto.	45668	Vehicle Body Engineering
		IT	45683	Information System Security
		ETC	45696	Industrial Management & Operation Research
		Bio Tech.	45709	Industrial Economics, Management & Entrepreneurship
EE	55802	Digital Signal Processing		
Wednesday	27-Apr-16	Mech.	45573	Industrial Management Operation Research
		Prod.	45627	Machine Tools & Product Design
		Auto.	45669	Hydraulics & Pneumatics



### Third Year – Semester 6

**(New Syllabus Introduced From December, 2015)**

**(Time 03.00 p.m. to 6.00 p.m.)**

Day	Date	Branch	Subject Code	Subject Name
Saturday	16-Apr-16	Civil	66873	Theory of Structures
		Mech.	66837	Industrial Management and Operation Research
		Electrical	66845	Advanced Electrical Measurements
		Electronics	66851	Digital Signal Processing
		CSE	66858	Compiler Construction <b>Written</b> : 02.30 pm to 04.30 pm <b>Online</b> : 05.00 pm to 06.00 pm <b>OMR</b> : 06.00 pm to 07.00 pm
		Prod.	66866	Industrial Management
		Environ	66880	Waste Water Engineering
		Chem.	66886	INDUSTRIAL ECONOMICS , MANAGEMENT AND ENTREPRENERS
		Instru.	66893	Power Plant Instrumentation and Unit Operation
		Auto.	66900	I.C. Engine
		IT	66909	Computer Graphics <b>Written</b> : 02.30 pm to 04.30 pm <b>Online</b> : 05.00 pm to 06.00 pm <b>OMR</b> : 06.00 pm to 07.00 pm
		ETC	66916	Digital Signal Processing
		Bio Tech.	66922	Bioprocess Equipment Design
		EE	55798	POWER SYSTEM STABILITY AND CONTROL
		AE	67013	Machines and Mechanisms
		MAE	67006	Principles of Management
Monday	18-Apr-16	Civil	66874	Geotechnical Engineering-II
		Mech.	66838	Industrial Fluid Power
		Electrical	66846	Communication Engineering
		Electronics	66852	Video Engineering
		CSE	66859	Operating System - II
		Prod.	66867	Industrial Hydraulics & Pneumatics
		Environ	66881	Air and Noise Pollution
		Chem.	66887	Plant Utility and Pollution Control
		Instru.	66894	Control System Design
		Auto.	66901	Vechile Body Engineering
		IT	66910	Information Security
		ETC	66917	VLSI Design
		Bio Tech.	66923	Fermentation Technology-2
		EE	55799	ELECTRICAL DRIVES AND CONTROL
		AE	67014	Design of Aircraft Structures
		MAE	67007	Heat and Mass Transfer
Thursday	21-Apr-16	Civil	66875	Engineering Management
		Mech.	66839	Metrology and Quality Control
		Electrical	66847	Electrical Machine Design
		Electronics	66853	Power Electronics
		CSE	66860	Database Engineering <b>Written</b> : 02.30 pm to 04.30 pm <b>Online</b> : 05.00 pm to 06.00 pm <b>OMR</b> : 06.00 pm to 07.00 pm
		Prod.	66868	Design of Jigs, Fixtures & Dies <b>(Time 02.30 p.m. to 6.30 p.m.)</b>
		Environ	66882	Solid and Hazardous Waste Management
		Chem.	66888	Mass Transfer-II
		Instru.	66895	Chemical & Analytical Instrumentation
		Auto.	66902	Automotive Transmission
		IT	66911	Internet Technology <b>Written</b> : 02.30 pm to 04.30 pm <b>Online</b> : 05.00 pm to 06.00 pm <b>OMR</b> : 06.00 pm to 07.00 pm
		ETC	66918	Microprocessor and Microcontrollers

Day	Date	Branch	Subject Code	Subject Name
Thursday	21-Apr-16	Bio Tech.	66924	Bioseparation Processes
		EE	55800	MICROCONTROLLER AND ITS APPLICATIONS
		AE	67015	Aerospace Propulsion-II
		MAE	67008	Machine Design II
Saturday	23-Apr-16	Civil	66876	Engineering Geology
		Mech.	66840	Machine Design - II
		Electrical	66848	Power System - III
		Electronics	66854	Computer Architecture and Operating System
		CSE	66861	Storage Networks
		Prod.	66869	Quality Management
		Environ	66883	Design of Structures - I
		Chem.	66889	Process Dynamics & Control
		Instru.	66896	Industrial Automation
		Auto.	66903	Machine Design
		IT	66912	Operating System II
		ETC	66919	Optical Communication and Network
		Bio Tech.	66925	Analytical Techniques in Biotechnology
		EE	55801	COMMUNICATION ENGINEERING
		AE	67016	Industrial Management and Operation Research
		MAE	67009	Manufacturing Automation
Monday	25-Apr-16	Civil	66877	Environmental Engineering-II
		Mech.	66841	Internal Combustion Engines
		Electrical	66849	Electrical Drives
		Electronics	66855	Electronic System Design
		CSE	66862	Information Security <b>Written</b> : 02.30 pm to 04.30 pm <b>Online</b> : 05.00 pm to 06.00 pm <b>OMR</b> : 06.00 pm to 07.00 pm
		Prod.	66870	Machine Tool Design
		Environ	66884	Environmental Management
		Chem.	66890	Chemical Reaction Engg.-I
		Instru.	66897	Embedded Instrumentation
		Auto.	66904	Automotive Refrigeration and Air Conditioning
		IT	66913	Software Testing and Quality Assurance
		ETC	66920	Industrial Management
		Bio Tech.	66926	Drug Development and Gene Therapy
		EE	55802	DIGITAL SIGNAL PROCESSING
AE	67017	Flight Mechanics - II		
MAE	67010	Applied Hydraulics and Pneumatics		
Wednesday	27-Apr-16	Bio Tech.	66927	Plant Biotechnology
		MAE	67011	Finite Element Analysis

## Fourth Year – Semester 7

**(Time 03.00 p.m. to 6.00 p.m.)**

Day	Date	Branch	Subject Code	Subject Name
Friday	29-Apr-16	Civil	47901	Design of Concrete Structure-I
		Mech.	47979	Refrigeration & Air Conditioning
		Electrical	47935	Electrical Drives and Control
		Electronics	47946	Embedded System Design
		CSE	47917	Advanced Computer Architecture
		Prod.	47993	Operation Research
		Environ	45952	Air Pollution - II
		Chem.	47888	Chemical Reaction Engg.-II
		Instru.	47961	Advanced Process Instrumentation
		Auto.	47864	Engine & Machine Design
		IT	47971	Mobile Technology
		ETC	47926	Computer Communication Network
		Bio Tech.	47876	Bio reaction Engineering
		EE	59361	Switchgear & Protection
Saturday	30-Apr-16	Civil	47902	Quantity Survey and Valuation <b>(Time 2.30 p.m. to 6.30 p.m.)</b>
		Mech.	47980	Mechanical System Design
		Electrical	47936	High Voltage Engineering
		Electronics	47947	Power Electronics and Drives
		CSE	47918	Distributed System
		Prod.	47994	Mechatronic Systems
		Environ	45953	Industrial Waste Treatment
		Chem.	47889	Chemical Process & Synthesis
		Instru.	47962	Instrumentation System Design
		Auto.	47865	Vehicle Dynamics
		IT	47972	Advanced Database Systems
		ETC	47927	Wireless Communication
		Bio Tech.	47877	Protein Engineering
		EE	59362	Control System Design
Monday	2-May-16	Civil	47903	Earthquake Engineering
		Mech.	47981	Finite Element Analysis
		Electrical	47937	Advanced Switchgear and Protection
		Electronics	47948	Video Engineering
		CSE	47919	Advanced Database System
		Prod.	47995	Process Engineering
		Environ	45954	Advanced Water & Wastewater Treatment
		Chem.	47890	Chemical Process Design <b>(Time 2.30 p.m. to 6.30 p.m.)</b>
		Instru.	47963	Industrial Automation-II
		Auto.	47866	Finite Element Analysis
		IT	47973	Real Time Systems
		ETC	47928	Microwave Engineering
		Bio Tech.	47878	Pharmaceutical Biotechnology
		EE	59363	FACTS
Tuesday	3-May-16	Civil	47904	Transportation Engineering
		Mech. Elect 1	47982	Experimental Mechanics
			47983	Noise & Vibration
			47984	Automobile Engineering
			47985	Jigs and Fixture Design
		Electrical	47938	Renewable Energy Sources
		Electronics	47949	Information Theory & Coding

Day	Date	Branch	Subject Code	Subject Name
Tuesday	3-May-16	Prod.	47996	Production & Operations Management
		Environ	45955	Environmental Impact Assessment
		Chem.	47891	Modeling & Simulation in Chemical Engg.
		CSE Elect 1	47921	Soft Computing
			47922	Project Management
			47923	Cyber Laws
		Instru.	47964	Digital Signal Processing
		Auto.	47867	Alternative Fuels & Emission
		IT Elect 1	47976	Project Management
			47977	Cyber Laws
		ETC	47929	Embedded System
Bio Tech.	47879	Bioprocesses		
EE	59364	Industrial Management and Economics		
Saturday	7-May-16	Civil Elect 1	47905	Advanced Structural Analysis
			47906	Experimental Stress Analysis
			47907	Finite Element Method
			47908	Advanced Foundation Engineering
			47909	Transportation Infrastructure Planning and Demand Estimation
			47910	Advanced Engineering Geology
			47911	Open Channel Hydraulics
			47912	Human Resource Development
			47913	Project Appraisal
			47914	Solid Waste Management
		Mech. Elect 2	47986	Total Quality Management
			47988	Industrial Product Design
		Electrical Elect 1	47939	FACTS
			47940	Digital Control System
			47942	Electrical Engineering Materials
		Electronics Elect 1	47950	Fiber Optic Communication
			47951	Satellite Communication
			47952	Biomedical Instrumentation
			47955	Digital Image Processing
			47956	Real Time Systems
		Prod.	47997	Computer Aided Design & Analysis
		Environ Elect 1	45956	Optimization Techniques
			45957	Environmental Biotechnology
			45958	Disaster Planning & Risk Analysis
			45959	Clean Development Mechanism
		Chem. Elect 1	47892	Petroleum Refinery Engineering
			47893	Bio-Technology
			47896	Optimization Technique in Chemical Engineering
		Instru. Elect 1	47966	Neural & Fuzzy Based Control
		Auto. Elect 1	47869	Energy Engineering
			47872	Production Management
		ETC Elect 1	47930	Digital Signal Processors
			47932	Satellite Communication
			47880	Biomedical Engineering
47881	Plant Biotechnology			
47882	Good Manufacturing			
EE Elect 1	59365	EHVAC		

## Fourth Year – Semester 8

(Time 03.00 p.m. to 6.00 p.m.)

Day	Date	Branch	Subject Code	Subject Name
Sunday	17-Apr-16	Civil	49173	Town Planning & Transportation Engineering
		Mech.	49417	Mechatronics
		Electrical	49428	Electrical Utilization & Transaction
		Electronics	49434	Computer Network
		CSE	49447	Grid Technology
		Prod.	49455	Costing and Cost Control
		Environ	46422	Environmental Management System
		Chem.	49473	Chemical Process & Green Technology
		Instru.	49491	Field Instrumentation & Network
		Auto.	49499	Refrigeration and Air Conditioning
		IT	49509	Distributed Computing
		ETC	49516	Audio & Video Engineering
		Bio Tech.	49524	Bio separation Processes
EE	59501	Electrical Machine Design		
Wednesday	20-Apr-16	Civil	49174	Construction Practice
		Mech.	49418	Industrial Engineering
		Electrical	49429	HVDC System
		Electronics	49435	Operating System
		CSE	49448	Storage Networks
		Prod.	49456	Computer Integrated Manufacturing System
		Environ	46423	Environmental Policy & Legislation
		Chem.	49474	Transport Phenomena
		Instru.	49492	Process Modeling & Simulation
		Auto.	49500	Automotive Electronics
		IT	49510	Information Technology & Business Methodology
		ETC	49517	Broadband Communication
		Bio Tech.	49525	Bioprocess Modeling and Simulation
EE	59502	Utilization & Energy Conservation		
Friday	22-Apr-16	Civil	49175	Design of Concrete Structure - II
		Mech.	49419	Power Engineering
		Electrical	49430	Electrical Initialization, Testing and Maintenance
		Electronics	49436	Microwave Engineering
		CSE	49449	Real Time Operating System
		Prod.	49457	Advanced Industrial Engineering
		Environ	46424	Industrial Health & Safety
		Chem.	49475	P.E.P.E.
		Instru.	49493	Project Planning Estimation & Assessment
		Auto.	49501	Automotive System Design
		IT	49511	Storage Network
		ETC	49518	Image Processing
		Bio Tech.	49526	Bioprocess Engineering & Economics
EE	59503	Embedded Systems		

Day	Date	Branch	Subject Code	Subject Name
Sunday	24-Apr-16	Civil Elect 2	49176	Advance Concrete Design
			49179	Structural Design of Foundation and Retaining Structures
			49180	Pavement Analysis Design and Evaluation
			49181	Remote Sensing Applications in Civil Engineering
			49183	Site Investigation Methods and Practices
			49184	Entrepreneurships
		Mech. Elect 3	49185	Air Pollution & Control
			49420	Production Management
			49421	MEMS
		Electrical Elect 2	49422	Machine Tools Design
			49423	Computational Fluid Dynamics
			49431	EHVAC
		Electronics Elect 2	49535	Advanced Digital Signal Processing
			49536	Restructured Power System
			49437	Broad Band Communication
			49438	Wireless Communication Network
		CSE Elect 2	49439	Biomedical Control & Instrumentation
			49442	System On Chip
			49443	Mechatronics
			49451	Data Mining
		Prod. Elect 1	49452	Adhoc Wireless Network
			49453	Business Intelligence System
			49458	Marketing Management
		Environ	49459	Metarial Management
			49461	Entrepreneurship Development
			49462	Financial Management
		Chem. Elect 2	46425	Hazardous Waste Management
			49476	Bio-Chemical Engineering
			49477	Petrochemical Technology
		Instru. Elect 2	49479	Distillation
			49494	Power Plant Instrumentation
		Auto.	49495	Biomedical Instrumentation
			49502	Vehicle Performance
IT Elect 2	49513	Business Intelligent System		
	49514	ANN & Genetic Algorithm		
ETC Elect 2	49519	Speech Processing		
	49521	Mobile Communication		
	49522	Real Time Systems		
Bio Tech.	49527	Animal Biotechnology		
EE Elect 2	59504	HVDC		
Tuesday	26-Apr-16	Civil Elect 3	49187	Design of Bridges
			49189	Ground Improvement
			49190	Project Planning, Economics and Financing
			49191	Rock Mechanics
			49192	Water Power Engineering
			49193	Advance Construction Techniques
			49413	Optimization Technique
			49414	Industrial Waste Treatment
		Mech. Elect 4	49424	Enterprise Resource Planning
			49425	Cryogenics
			49426	P.I.C. & SCADA Programming
			49546	Industrial Automation and Robotics
		Electrical	58698	Electrical Power Quality and Harmonics

Day	Date	Branch	Subject Code	Subject Name
Tuesday	26-Apr-16	CSE	58286	Introduction to Mainframes
		Prod. Elect 2	49465	Flexible Manufacturing Systems
			49467	Industrial Robotics
			49469	Material Handling System
			46426	Managerial Techniques
		Environ Elect 2	46427	Watershed Management
			46428	Environmental Modeling & Simulation
			49484	Energy Conservation and Recovery
		Chem. Elect 3	49486	Pharmaceutical Technology-II
			49503	Transport Management
		Auto. Elect 2	49505	Tractor and Farm Equipment
			49528	Applied Genetic Engineering
Bio Tech. Elect 2	49529	Food and Dairy Biotechnology		
	IT	58287	Introduction to Mainframes	
Thursday	28-Apr-16			

**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 after 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 there is any mistake in hall ticket, please refer the Time table of Concern exam or contact to the University (0231-2609122).
- 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: 04<sup>th</sup> April, 2016**  
Vidyanagar,  
KOLHAPUR - 416 004.

**Sd/-**  
**(Shri. M.A. Kakade.)**  
**Controller of Examinations**