

CIRCULAR:-

A reference is invited to this office Circular No.UG/48 of 2004, dated 23rd February, 2004 and the Principals of the affiliated colleges in Engineering, are hereby informed that the recommendation made by the Faculty of Technology at its meeting held on 8th October, 2007 has been accepted by the Vice-Chancellor in exercise of the powers conferred upon him under Section 14(7) of Maharashtra Universities Act 1994 and that, in accordance therewith, the students who had failed at the S.E. (Sem.III and Sem.IV) under the old course are permitted to appear in the following corresponding subjects at the S.E. (Sem.III and Sem.IV) under the revised course till the said course is in existence i.e. with effect from the examination to be held from second half of 2007 :-

**Computer Engineering
S.E. Computer
Sem.III**

Sr. No.	Old	Equivalent	Revised subject
1.	AM-II	AM-III	(Sem.III) Comp.
2.	EL-I	EDC	(Sem.III) Comp.
3.	EN	EN	(Sem.III) Comp.
4.	CMA	DS	(Sem.III) Comp.
5.	NMCP	CP-I	(Sem.I) Comp.
6.	EMC	AS-II Sem-II Exempted if has Passed AP-II	(Sem.II) Comp.
Sem.IV Computer			
1.	AM-IV	AM-IV	(Sem.IV) Comp.
2.	EL-II	EDC	(Sem.III) Comp.
3.	PCE	PCE	(Sem.IV) Comp.
4.	LC	DLDA	(Sem.III) Comp.
5.	C.Prog.	CP-I	(Sem.I) Comp.
6.	BDP	DS	(Sem.IV) Comp.

Biomedical Engineering

Sr. No.	Old	Revised
Sem.III		
1.	Applied Mathematics -III	Applied Mathematics-III
2.	Electronics-I	Electronic Circuit Analysis and Design -I
3.	Electrical Networks	Electrical Network Analysis and Synthesis
4.	Electrical Technology & Instruments	Electronics Instrumentation
5.	Human Biology	Human Anatomy and Physiology
6.	Biomedical Materials and Components	Bioengineering Materials and Components

Sem-IV

1. Applied Mathematics-IV	Applied Mathematics-IV
2. Electronics-II	Electronic Circuit Analysis and Design
3. Electronic Instruments	Electronic Instruments
4. Principles of Communication Engineering	Principles of Communication Engineering
5. Logic Circuits	Logic Circuits
6. Numerical Methods with C Programming	Numerical Techniques (III rd)

Mechanical Engineering

<u>Old Subjects</u>	<u>Equivalent Revised subjects</u>
Sem-III	
1. Applied Maths-III	Applied Maths-III (Sem.III)
*2. Strength of Materials	Strength of Material (Sem.III)
*3. Electrical Engg. & Applied Electronics	Industrial Electronics (Sem.III)
*4. Machine Drawing	Machine Drawing (Sem.III)
*5. Production Process-I	Production Process-I (Sem.III)
*6. Applied Thermodynamics -I	Applied Thermodynamics -I (Sem.III)
7. Workshop Practice-III	Machine Shop Practice-I
Sem-IV	
*1. Applied Mathematics-IV	Computational Mathematics (Sem.IV)
*2. Advanced Strength of Materials	Strength of Materials (Sem.III)
3. Applied Thermodynamics - IV	Thermal Engineering (Sem.IV)
4. Kinetics of Machinery	Kinetics of Machinery -Sem.IV
5. Materials Technology	Materials Technology Sem.IV
6. Programming in C & Application	CP-I (Sem.I)
7. Workshop Practice-IV	Machine Shop Practice-IV

*If the candidate is failed in Sem.III, in the subject of Strength of material and also in Sem.IV (Advanced Strength of Material) He can get exemption in Sem.III and he has to appear for Strength of material to pass in Sem.IV for particular subject.

Production Engineering

<u>Old Subjects</u>	<u>Equivalent Revised Subject</u>
Sem-III	
1. Applied Maths-III	Applied Maths-III (Sem.III)
2. Strength of Materials	Strength of Material (Sem.III)
3. Machine Drawing	Engineering Graphics & Machinery (Sem.III)
4. Engineering Metallurgy-I	Material Science & Engineering (Sem.III)
5. Theory of Machine-I	Theory of Machine- (Sem.III)
6. Applied Thermodynamics	Thermal Engineering (Sem.IV)
7. Electrical Engineering	Electrical & Electronics Engg. (Sem.IV)
8. Workshop Practice-III	Workshop Practice-III (Sem.III)

Sem-IV		
1.	Applied Mathematics-IV	Applied Probability & Statistics (Sem.IV)
2.	Theory of Machine-II	Theory of Machine (Sem.III)
3.	Fluid Mechanics & Machines	Fluid Mechanics & Machines (Sem.IV)
4.	Engineering Metallurgy-II	Material Science & Engineering (Sem.III)
5.	Machine Tools & Machinery Processes	Engineering Design-II.
6.	Thermal Engineering	Thermal Engineering Sem.IV
7.	Applied Electronics	Electrical & Electronics Engg. (Sem.IV)
8.	Workshop Practice -IV	Workshop practice IV (Sem.IV)

Automobile Engineering

Old Course		Equivalent Revised Subject
Sem-III		
1.	Applied Maths-III	Applied Maths-III (Sem.III)
2.	Strength of Materials	Strength of Materials (Sem.III)
3.	Electrical Engineering and Applied Electronics	Industrial Electronics (Sem.III)
4.	Machine Drawing	Machine Drawing (Sem.III)
5.	Production Process -I	Production Process -I (Sem.III)
6.	Applied Thermodynamics -I	Applied Thermodynamics (Sem.III)
7.	Workshop Practice-III	Machine Shop Practice -I (Sem.III)
Sem-IV		
1.	Applied Mathematics-IV	Computational Mathematics (Sem.IV)
2.	Advanced Strength of Materials	Strength of Materials (Sem.III)
3.	Applied Thermodynamics -II	Thermal Engineering (Sem.IV)
4.	Kinetics of Machinery	Kinetics of Machinery -Sem.IV
5.	Materials Technology	Materials Technology Sem.IV
6.	Programming in C & Application	Graphical User interface and Database Management
7.	Workshop Practice-IV	Machine Shop Practice-II (Sem.IV)

Marine Engineering

No candidates for old course.

Electronics Engineering Second Year Engineering

Old Syllabus		Revised Parallel Subjects
Sem.III		
1.	Applied Maths-III	Applied Maths-III (Rev.) Sem.III
2.	Electronics-I	E.C.A.D.I (Rev.) Sem.III
3.	Electrical Network	E.N. & Synth. (Rev.) Sem.III
*4.	Electrical Techn. & Instruments	Elect. M/c. & Inst. (Rev.) Sem.IV.
*5.	Numerical Methods	Numerical Tech. (Rev.) Sem.III.
*6.	Engg. Material & Components	Exempted if candidate pass Physics I & II (from old syllabus)

<u>Old Syllabus</u>		<u>Revised Parallel Subjects</u>
<u>Sem.IV</u>		
*1.	Applied Maths-IV	Maths-IV
*2.	Electronics-II	E.C.A.D.II
*3.	Electronics Instruments	Elect. M/c. & Inst.(Rev.) Sem.IV.
4.	Principles of Comm. Engg.	Basic of Comm. Engg. (R) Sem.III
5.	Logic Design	D.D.I. (Rev.)Sem.III
6.	C-Programming	C.P.I. (Rev.) Sem.I.

*If candidate fails in both the subjects Sem.III (old) Elect.Tech. & Inst. and Sem.IV (old) Electronic Instruments then Sem.III (old) Elect.Tech. & Instruments subject is exempted and candidate should give Sem.IVth (Rev.)Elect.M/c & Instruments (Rev.)against Sem.IV (old) Electronic Instruments.

Civil Engineering

Second Year Engineering

Sr. No.	Old Course	Sr. No.	Revised Course
Semester III			
1.	Applied Mathematics-III	1.	Applied Mathematics-III
2.	Surveying-I	2.	Surveying-I
3.	Strength of Materials	3.	Strength of Materials
4.	Construction Engineering	4.	Building Construction
5.	Construction Materials & Testing	5.	Construction Materials & Testing
6.	Engineering Geology	6.	Engineering Geology of (Sem.IV)

Sr. No.	Old Course	Sr. No.	Revised Course
Semester IV			
1.	Applied Mathematics-IV	1.	Applied Statistics & Numerical Methods
2.	Surveying-II	2.	Surveying-II
3.	Structural Analysis I	3.	Structural Analysis I
4.	Building Design & Drawing I	4.	Building Design & Drawing I
5.	Fluid Mechanics	5.	Fluid Mechanics of Sem III

Construction Engineering

Second Year Engineering

Sr. No.	Old Course	Sr. No.	Revised Course
Semester III			
1.	Applied Mathematics-III	1.	Applied Mathematics-III
2.	Strength of Materials	2.	Strength of Materials
3.	Surveying-I	3.	Surveying
4.	Fluid Mechanics	4.	Fluid Mechanics
5.	Construction Techniques -I	5.	Building Construction
6.	Engineering Geology & Application	6.	Engineering Geology of Sem.IV

Semester IV			
1.	Applied Mathematics-IV	1.	Applied Statistics & Numerical Methods
2.	Structural Analysis I	2.	Structural Analysis I
3.	Surveying-II	3.	Surveying-II
4.	Applied Hydraulics	4.	Applied Hydraulics
5.	Building Design & Drawing	5.	Building Design & Drawing I
6.	Buildings Services	6.	Buildings Services of Sem V

S.E. Chemical

Sr. No.	Old Subjects	Sr. No.	Revised Subjects
1.	Advanced Chemistry I- (Sem.III)	1.	Advanced Chemistry I-(Sem.III)
2.	Electronics & Electrical Engg.	2.	Electronics & Electrical Engg. Sem.III
3.	Fabrication Technology Sem. IV	3.	Fabrication Technology Sem. III
4.	Computer Application Sem. III	4.	Computer Application Sem. IV
5.	Strength of Material Sem. III	5.	Strength of Material Sem. IV
6.	Material Science & Technology Sem. III	6.	Material Science & Technology Sem. IV
7.	Advanced Chemistry Sem. IV	7.	Advanced Chemistry Sem. IV
8.	Applied Mathematics Sem. III	8.	Applied Mathematics Sem. IV
9.	Applied Mathematics Sem. IV	9.	Applied Mathematics Sem. IV
10.	Process Calculation Sem. IV	10.	Process Calculation Sem. III

Instrumentation Engineering

Sr. No.	(Sem.III) Old	Sr. No.	Equivalent Subject
Semester III			
1.	Applied Mathematics-III	1.	Applied Mathematics-III. (Sem.III) (Rev.)
*2.	Electronics – I	2.	Electronics Devices & Circuits, Sem.III (Rev.)
3.	Electrical Network	3.	Electrical Networks Sem.III (Rev.)
4.	Basic Control System	4.	Basic Control System Sem.IV(Rev.)
5.	Engineering Materials and Components	5.	Applied Physics II (Rev.)
6.	Electrical Technology & Instruments	6.	Electrical Technology & Instruments- Sem.III (Rev.)

Sr. No.	(Sem.IV) Old	Sr. No.	Equivalent Subject
Semester IV			
1.	Applied Mathematics-IV	1.	Applied Mathematics-IV, Sem.IV (Rev.)
*2.	Electronics - II	2.	Electronics Devices & Circuits, Sem.III (Rev.)
3.	Thermodynamics & Heat Transfer	3.	Fundamentals of process, Measurements, Sem.III (Rev.)
4.	Numerical Methods with C Programming	4.	Computer Programming Sem.I (Rev.)
5.	Transducers for Instrumentation	5.	Transducers for Instrumentation Sem.IV (Rev.)
6.	Logic Circuits	6.	Logic Circuits -Sem.IV (Rev.)

*If candidate fails in Electronics- I (Sem.III- old) as well as Electronics-II (Sem.III-old), then candidate has to appear for subject Electronics Devices & Circuits, Sem.III (Rev.)

Electronics & Telecommunication
Semester- III

<u>Old Scheme</u>		<u>New equivalent Subjects</u>
1.	Applied Mathematics-III	Applied Mathematics-III(Rev.) Sem.III
2.	Electronics-I	Electronics -I- Sem. III
3.	Electrical Networks	Electrical Networks- Sem. III
4.	Electrical Techn. & Instruments	Electronic Instrumentation Sem. VI
5.	Signals and Systems	Signals and Systems- Sem. IV
6.	Engg. Material & Components	Exemption if candidate pass Ap-I & Ap-II (from F.E. old syllabus)

Electronics & Telecommunication
Semester IV

<u>Old</u>	<u>New equivalent Subjects</u>
1. Applied Mathematics-IV	Applied Mathematics-IV- (Sem.IV)
2. Electronics-II	Electronics II- (Sem. IV)
3. Electromagnetic Wave Theory	Electromagnetic Wave Theory- (Sem. IV)
4. Principles of Comm. Engineering	Principles of Comm. Engineering Sem.IV
5. Logic and Circuits	Logic Design- Sem. III
6. Numerical Methods & C-Programming	Numerical Techniques- Sem. III

Electrical Engineering
Sem. IV

<u>Old</u>	<u>Equivalent</u>
1. Applied Mathematics -IV	Applied Mathematics-IV (Rev.)
2. Electronics Circuit & Devices	Electronics Circuits IV (Rev.)
3. Numerical Methods and C Programming	Numerical Techniques III (Rev.)
4. Electrical Engineering and Materials	Exemption
5. Electrical Machine-I	Electrical Machine I - V (Rev.)
6. Fluid Machines and Hydraulic Machines	Exemption

<u>Old Sem. IV</u>	
1. Applied Mathematics-	Applied Mathematics-III (Rev.)
2. Electronics-I	Basic Electronics -III (Rev.)
3. Power System Engineering	Elements of Power System V (Rev.)
4. Electrical N/W	Electrical N/W III (Rev.)-I
5. Electrical Measurement	Electrical Measurement and measuring Instrument III (Rev.)
6. Heat Power Engineering	Exemption

They are further informed that the permission has been granted to hold the examination of T.E. (Sem. V and VI for all branches) of Engineering under the old course for the last time in the second half of 2007 and first half of 2008, respectively and for B.E. (Sem. VII and VIII) (for all branches under the old course) for the last time in the second half of 2008 and first half of 2009, respectively.

MUMBAI-400 032
20th November, 2007

for I/c. REGISTRAR

To,

The Principals of the affiliated colleges in Engineering,

V.C'S Action

No.UG/ 468 -A of 2007 MUMBAI-400 32

20th November, 2007

Copy forwarded with compliments for information

1. The Dean, Faculty of Technology, and Chairmen of the various Boards of the Studies and Ad-hoc Boards of Studies in Engineering.
2. The Officer on Special Duty and Controller of Examinations, Examinations Section
3. The Co-Ordinator, University Computerization Center

for I/c. REGISTRAR