

B.E - MECHANICAL ENGINEERING (3 ½ Year Part time Course)

REGULATION 2008

SEMESTER I

Code No	Course Title	L	T	P	C
Theory					
PME101	Mathematics-I	3	1	0	4
PME102	Strength of Materials	3	0	0	3
PME103	Fluid Mechanics and Machines	3	0	0	3
PME104	Engineering Materials and Metallurgy	3	0	0	3
Practical					
PME105	Strength of Materials and Fluid machinery lab	0	0	3	2

Total Hours: 18

Total Credits: 15

SEMESTER II

Code No	Course Title	L	T	P	C
Theory					
PME201	Probability and Statistics	3	1	0	4
PME202	Mechanics of machines-I	3	1	0	4
PME203	Thermal engineering	3	0	0	3
PME204	Metrology and measurements	3	0	0	3
Practical					
PME205	CAD lab	0	0	3	2

Total Hours: 17

Total Credits: 16

SEMESTER - III

Code No	Course Title	L	T	P	C
Theory					
PME301	Numerical methods	3	1	0	4
PME302	Gas Dynamics and Jet Propulsion	3	1	0	4
PME303	Machine Element Design	3	1	0	4
PME304	CAD/CAM	3	0	0	3
Practical					
PME305	Thermal engineering lab-I	0	0	3	2

Total Hours: 18**Total Credits: 17****SEMESTER IV**

Code No	Course Title	L	T	P	C
Theory					
PME401	Design of Transmission systems	3	1	0	4
PME402	Manufacturing Technology-II	3	0	0	3
PME403	Heat and Mass Transfer	3	1	0	4
PME404	Mechanics of machines-II	3	1	0	4
Practical					
PME405	Heat and Mass Transfer lab	0	0	3	2

Total Hours: 18**Total Credits: 17**

SEMESTER V

Code No	Course Title	L	T	P	C
Theory					
PME501	Operations Research	3	1	0	4
PME502	Engineering Economics & Cost analysis	3	0	0	3
PME504	Power Plant Engineering	3	0	0	3
PME505	Mechatronics	3	0	0	3
Practical					
PME506	Special Machines Lab	0	0	3	2

Total Hours: 16**Total Credits: 15****SEMESTER VI**

Code No	Course Title	L	T	P	C
PME601	Industrial Engineering & Quality Control	3	0	0	3
PME602	Automobile Engineering	3	0	0	3
PME603*	Elective-I	3	0	0	3
PME604*	Elective-II	3	0	0	3
Practical					
PME605	Automobile Engineering Lab	0	0	3	2

Total Hours: 15**Total Credits: 14**

SEMESTER VII

Code No	Course Title	L	T	P	C
PME701	Industrial Engineering & Quality Control	3	0	0	3
PME703*	Elective-I	3	0	0	3
PME704*	Elective-II	3	0	0	3
Practical					
PME705	Project Work	0	0	20	12

Total Hours: 29

Total Credits: 21

Total Credits: 115

LIST OF ELECTIVES

ELECTIVE I

* Elective Code	Course Title	L	T	P	C
603A	Refrigeration & Air conditioning	3	0	0	3
603B	Fluid Power Engineering	3	0	0	3
603C	Energy Conversion Systems	3	0	0	3

ELECTIVE II

* Elective Code	Course Title	L	T	P	C
604A	Power Plant Engineering	3	0	0	3
604B	Optimum Utilization of Heat and Power	3	0	0	3
604C	Advanced I.C Engines	3	0	0	3

ELECTIVE III

* Elective Code	Course Title	L	T	P	C
703A	Mathematical Modeling and simulation-MATLAB	3	0	0	3
703B	Computational Fluid Dynamics	3	0	0	3
703C	Finite Element Methods	3	0	0	3
703D	Nano Technology	3	0	0	3

ELECTIVE IV

* Elective Code	Course Title	L	T	P	C
704A	Automation and Control Engineering	3	0	0	3
704B	Modern Manufacturing Technology- JIT, AMT	3	0	0	3
704C	Reliability Engineering	3	0	0	3
704D	Tribology	3	0	0	3