

**Course of Study and Scheme of Examination**  
**B.E. (PTDC) Mechanical Engineering**  
**SEMESTER – VII**

S.No	Course Code (New)	Subject	Periods Per week				Distribution of Marks					
							Theory Exam	Practical Exam	Practical Block			Total
			L	T	P	C			I	II	MST	
1	ME-703	Heat & Mass Transfer	3	1	2	6	100	50	20	30	50	200
2		Elective-I (Refer table below)	3	1	0	4	100	-	20	-	20	120
3		Elective-II(Refer table below)	3	1	0	4	100	-	20	-	20	120
4	ME-801	Machine Design-II	3	0	3	6	100	50	20	30	50	200
5	ME-705	Minor Project-II	0	0	4	4	-	30	-	30	30	60
Total			12	3	9	24	400	130	80	90	170	700

ELECTIVE – I					
Group-A- Thermal & Fluid Engg.		Group-B- Design Engineering		Group-C- Manufacturing Engg.	
ME-7101	<a href="#">Advanced Energy Systems</a>	ME-7102	<a href="#">Manufacturing Automation</a>	ME-7103	<a href="#">Maintenance Engg.</a>
ELECTIVE – II					
ME-7201	<a href="#">Energy Conservation &amp; Audit</a>	ME-7202	<a href="#">Finite Element Methods</a>	ME-7203	<a href="#">Vibration &amp; Noise Control</a>

**Note :-** 1.Minimum strength of **Ten Students** is required to offer an Elective in the College in a particular Academic Session.  
2. Choice of Elective Course ones made for an examination cannot be changed for future examinations.

Minimum Pass Marks :

[A] Theory :35 Percent

[B] Practical (End Sem) :50 Percent

Duration:

Practical Block Aggregate :50 Percent (ES) : 3 Hrs.