

**BOARD OF TECHNICAL EDUCATION , GOA STATE**

**PROGRAMME STRUCTURE - 02 - MECHANICAL ENGG.**

(Subjects not offered till May 2010 are deleted and not to be offered without consent of BTE)

Sr. No	E/C	SUBJ CODE	SUBJECTNAME	TEACHING SCHEME		EXAMINATION SCHEME			
				Lect	Pract	MAX TH	MAX TEST	MAX PR	MAX TW
<b>SEMESTER I</b>									
1	C	1001-S	COMMUNICATION SKILLS-I	-	2	0	0	50	50
2	C	1002-S	ENGINEERING MATHS-I	5	-	75	25	0	0
3	C	1004-S	APPLIED PHYSICS-I	3	2	75	25	0	25
4	C	1006-S	APPLIED CHEMISTRY	3	2	75	25	50	25
5	C	1010-S	COMPUTER TECHNIQUES	1	3	0	0	50	50
6	C	2001-S	ENGINEERING DRAWING-I	2	4	0	0	0	100
7	C	2003-S	BASIC WORKSHOP PRACT-I	-	4	0	0	0	100
<b>SEMESTER II</b>									
1	C	1003-S	ENGINEERING MATHS-II	5	-	75	25	0	0
2	C	1005-S	APPLIED PHYSICS-II	3	2	75	25	50	25
3	C	2002-S	ENGINEERING DRAWING-II	2	4	0	0	0	100
4	C	2004-S	BASIC WORKSHOP PRACT-II	-	4	0	0	0	100
5	C	2005-S	APPLIED MECHANICS-I	3	2	75	25	0	25
6	C	3013-S	COMM. SKILLS-II	-	2	0	0	50	50
7	C	3108-S	ENVIRONMENTAL STUDIES	3	1	75	25	0	25
<b>SEMESTER III</b>									
1	C	2006-S	APPLIED MECHANICS-II	3	2	75	25	0	25
2	C	3001-S	ELE OF ELECTRICAL ENGG.	3	2	75	25	0	25
3	C	3011-S	AUTOCAD	0	4	0	0	50	50
4	C	4031-S	MECH. ENGG. MATERIALS	4	0	75	25	0	0
5	C	4033-S	MACHINE DRAWING-I	2	4	75	25	0	50
6	C	4034-S	MANUFACTURING PROC.-I	2	4	75	25	0	50
<b>SEMESTER IV</b>									
1	C	3002-S	ELE OF ELECTROICS ENGG	3	2	75	25	0	25
2	C	4025-S	HYDRAULICS	3	2	75	25	0	25
3	C	4032-S	STRENGTH OF MATERIALS	4	2	75	25	0	25
4	C	4035-S	MACHINE DRAWING - II	2	4	75	25	0	50
5	C	4036-S	MANUFACTURING PROC -II	2	4	75	25	0	50
6	C	4037-S	POWER ENGG -I	3	2	75	25	0	25
<b>SEMESTER V</b>									
1	C	4039-S	THEORY OF MACHINES	4	2	75	25	0	25
2	C	4040-S	FLUID MACHINERY	3	2	75	25	50	25
3	C	4041-S	POWER ENGINEERING -II	3	2	75	25	50	25
4	C	4046-S	MANUFACTURING PROC-III	2	4	75	25	0	25
5	C	4047-S	METROLOGY & QUALITY CONTROL	3	2	75	25	0	25
6	E1	4071-S	JIGS & FIXTURES DESIGN	3	2	75	25	50	25
7	E1	5034-S	REFRIGERATION & AIR CONDIT.	3	2	75	25	50	25
8	E2	5036-S	AUTOMOBILE ENGINEERING	3	2	75	25	50	25
9	E1	5042-S	SAFETY ENGINEERING	3	2	75	25	50	25
10	E1	5046-S	PRINCIPLES OF REFRIGERATION	3	2	75	25	50	25
<b>ANY ONE OF E1or E2 AT SEM V</b>									

<b>SEMESTER VI</b>									
1	C	3005-S	INDUS. ORGANISATION & MGMT	4	-	75	25	0	0
2	C	4042-S	INDUSTRIAL ENGG.	3	2	75	25	50	25
3	C	4045-S	M/C DESIGN PRACTICE	4	2	75	25	50	25
4	C	4049-S	MECHANICAL ENGG. PROJECT	-	6	0	0	50	50
5	E2	5047-S	PRIN. OF AIR CONDITIONING	3	2	75	25	50	25
6	E2	5061-S	PRIN. OF MATERIAL HANDLING	3	2	75	25	50	25
7	E2	5033-S	TOOL ENGG-I (CUTTING TOOLS)	3	2	75	25	50	25
8	E2	5036-S	AUTOMOBILE ENGINEERING	3	2	75	25	50	25
9	E1	5042-S	SAFETY ENGINEERING	3	2	75	25	50	25
10	E1	5034-S	REFRIGERATION & AIR CONDIT.	3	2	75	25	50	25
11	E3	5035-S	MAINTENANCE ENGINEERING	3	2	75	25	50	25
12	E3	5037-S	POWER PLANT ENGINEERING	3	2	75	25	50	25
13	E3	5077-S	TOOL ENGG-II (PRESS TOOLS)	3	2	75	25	50	25
14	E3	5092-S	CAD/CAM	3	2	75	25	50	25
15	E3	5113-S	INDUS. HYDRO PNEUMATIC CNTRL	3	2	75	25	50	25
<b>ANY ONE OF E1 or E2 AT SEM VI</b>									
<b>ANY ONE OF E3 AT SEM VI</b>									
The following subjects were offered in MPEECS which shall be considered in transfer cases from MPEECS to Semester Pattern. These subjects are applicable for transfer cases only									
1	E2	5041-S	WELDING ENGINEERING						
2	E2	5039-S	CNC MACHINES						
3	E3	5040-S	INSTALLATION & COMMISSIONING						
4	E3	5043-S	PRINCIPLES OF MATERIAL MANAGEMENT						