

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
SEMESTER I									
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
SEMESTER II									
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
SEMESTER III									
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
SEMESTER IV									
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
SEMESTER V									
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
ANY ONE OF E1or E2 AT SEM V									

SEMESTER VI									
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
ANY ONE OF E1 or E2 AT SEM VI									
ANY ONE OF E3 AT SEM VI									
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						