

**BOARD OF TECHNICAL EDUCATION, GOA STATE
PROGRAMME STRUCTURE-07 FAB. TECH. AND EREC. ENGG.**

Sr. No.	E/C	SUBJ. CODE	SUBJECT NAME	SUBJECT HEADS			EXAMINATION SCHEME				
				TH	PR	TW	MAX TH	MAX TEST	MAX PR	MAX TW	TOTAL
SEMESTER I											
1	C	GN101	COMM SKILLS	0	1	1	0	0	50	50	100
2	C	GN102	ENGG MATHS - I	1	0	0	75	25	0	0	100
3	C	GN103	APPLIED PHYSICS - I	1	0	1	75	25	0	50	150
4	C	GN104	APPLIED CHEMISTRY	1	0	1	75	25	0	50	150
5	C	GN204	ENGG. DRAWING	0	1	1	0	0	50	50	100
SEMESTER II											
1	C	GN105	COMP. FUND. & APP.	0	1	1	0	0	50	50	100
2	C	GN106	BASIC ENGG SKILLS	0	1	1	0	0	50	100	150
3	C	GN201	ENGG MATHS - II	1	0	0	75	25	0	0	100
4	C	GN202	APPLIED PHYSICS - II	1	0	1	75	25	0	50	150
5	C	GN203	ENVIRONMENTAL STUDIES	1	0	0	75	25	0	0	100
6	C	GN205	ENGG. MATERIALS	1	0	0	75	25	0	0	100
SEMESTER III											
1	C	CS301	ENGG. MECHANICS	1	0	1	75	25	0	50	150
2	C	CS307	ELEMENTS OF MECHANICAL ENGG.	1	0	1	75	25	0	25	125
3	C	FE301	WELDING TECHNOLOGY - I	1	1	1	75	25	25	50	175
4	C	FE302	FABRICATION DRAWING	1	0	1	75	25	0	50	150
5	C	FE303	FABRICATION PROCESS - I	1	0	1	75	25	0	25	125
6	C	FE304	ELECTRICAL ENGG. PRACTICE	0	1	1	0	0	50	50	100
SEMESTER IV											
1	C	CE402	MATERIALS & STRUCTURES	1	0	1	75	25	0	25	125
2	C	CS305	COMPUTER AIDED DRAFTING	0	1	1	0	0	50	50	100
3	C	CS311	ELEM. OF CIVIL ENGG.	1	0	1	75	25	0	25	125
4	C	FE402	FABRICATION PROCESS II	1	1	1	75	25	25	50	175
5	C	FE403	WELDING TECHNOLOGY - II	1	1	1	75	25	50	50	200
6	C	FE404	MATERIALS & PROCESSES	1	0	0	75	25	0	0	100
SEMESTER V											
1	C	FE501	FABRICATION TRAINING-I	0	1	1	0	0	100	100	GRADE
SEMESTER VI											
1	C	FE601	THEORY OF STRUCTURE-I	1	0	1	75	25	0	25	125
2	C	FE602	FAB. ESTIMATION & COSTING	1	1	1	75	25	25	25	150
3	C	FE603	ERECTION ENGG.	1	1	1	75	25	25	25	150
4	C	FE604	QUALITY CONTROL & INSPECTION	1	1	1	75	25	25	25	150
5	C	FE605	FABRICATION WORKSHOP PRACTICE	0	1	1	0	0	50	50	100
6	E1	CS601	INDUS. ORGA. & MANAGEMENT	1	0	0	75	25	0	0	100
7	E1	FE511	OPERATION RESEARCH	1	0	0	75	25	0	0	100
ANY ONE OF E1											
SEMESTER VII											
1	C	CS501	ENTREPRENEURSHIP DEVELOPMENT	0	0	1	0	0	0	50	50
2	C	FE701	DESIGN OF STEEL STRUCTURES	1	1	1	75	25	25	25	150
3	C	FE702	THEORY OF STRUCTURES-II	1	0	1	75	25	0	25	125

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4	C	FE703	FABR OF BOILERS & PRESS VESSEL	1	1	1	75	25	25	25	150
5	C	FE704	FABRICATION PROJECT	0	1	1	0	0	50	50	100
6	E2	FE611	PIPING FAB & INSTALLATION	1	1	1	75	25	25	25	150
7	E2	FE613	SURFACE TREAT & CORROS PREVEN	1	1	1	75	25	25	25	150
8	E2	FE614	OFF-SHORE STRUCTUTRES	1	1	1	75	25	25	25	150
9	E2	FE615	HYDRAULIC & FLUID MECHANICS	1	1	1	75	25	25	25	150
10	E2	FE616	REPAIR & MAINTENANCE WELDING	1	1	1	75	25	25	25	150
11	E2	ME615	RENEWABLE ENERGY SOURCES	1	1	1	75	25	25	25	150
12	E2	ME617	MODERN MARKETING MANAGEMENT	1	1	1	75	25	25	25	150
13	E2	ME618	SAFETY ENGG.	1	1	1	75	25	25	25	150
14	E2	IE6**	INSTITUTIONAL ELECTIVE	1	1	1	75	25	25	25	150
ANY ONE OF E2											
SEMESTER VIII											
1	C	FE801	FABRICATION TRAINING-II	0	1	1	0	0	100	100	GRADE