

**BOARD OF TECHNICAL EDUCATION, GOA STATE  
PROGRAMME STRUCTURE- 28 MEDICAL ELECTRONICS**

Sr. No.	E/C	SUBJ. CODE	SUBJECT NAME	SUBJECT HEADS			EXAMINATION SCHEME				
				TH	PR	TW	MAX TH	MAX TEST	MAX PR	MAX TW	TOTAL
<b>SEMESTER I</b>											
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
<b>SEMESTER II</b>											
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
<b>SEMESTER III</b>											
1	C	CS308	BASIC ELECTRONICS ENGG.	1	1	1	75	25	50	25	175
2	C	CS309	DIGITAL ELECTRONICS	1	1	1	75	25	50	25	175
3	C	CS501	ENTREPRENEURSHIP DEVELOPMENT	0	0	1	0	0	0	50	50
4	C	EN302	COMP. AIDED PCB DESIGN	0	0	1	0	0	0	50	50
5	C	MX302	BAS. HUM. BIO. FOR ENGINEERS-I	1	0	1	75	25	0	25	125
6	C	MX303	MEDICAL INSTRUMENTS - I	1	0	1	75	25	0	25	125
<b>SEMESTER IV</b>											
1	C	EN403	CIRCUITS & NETWORKS	1	0	1	75	25	0	25	125
2	C	EN405	ANALOG ELECTRONICS	1	1	1	75	25	50	25	175
3	C	MX401	ELECTRONIC DEVICES & CIRCUITS	1	0	1	75	25	0	25	125
4	C	MX402	BAS. HUM. BIO. FOR ENGINEER-II	1	0	1	75	25	0	25	125
5	C	MX403	MEDICAL INSTRUMENTS - II	1	1	1	75	25	50	25	175
6	C	MX404	PROG.OF 8051 MICROCONTRO. IN C	0	1	1	0	0	50	50	100
<b>SEMESTER V</b>											
1	C	IT501	INDUSTRIAL TRAINING	0	1	1	0	0	30	70	GRADE
2	C	MX501	MEDICAL INSTRUMENTS-III	1	0	1	75	25	0	25	125
3	C	MX502	MEDICAL IMAGING	1	0	1	75	25	0	25	125
4	C	MX503	EMBEDED LAB.	0	0	1	0	0	0	50	50
5	E1	MX511	MEDICAL EQUIPMENT MAINTENANCE	1	1	1	75	25	25	25	150
6	E1	MX512	BIOTELEMETRY	1	1	1	75	25	25	25	150
7	E1	MX513	BIOSTATISTICS	1	1	1	75	25	25	25	150
<b>ANY ONE OF E1</b>											
<b>SEMESTER VI</b>											
1	C	CS602	BUSINESS COMMUNICATION	0	1	1	0	0	50	50	100
2	C	MX601	HOSPITAL MANAGEMENT	1	1	1	75	25	25	25	150
3	C	MX602	MEDICAL INSTRUMENTS-IV	1	1	1	75	25	25	25	150
4	C	MX603	MEDICAL ELECTRONICS PROJECT	0	1	1	0	0	50	50	100
5	E2	EN611	PROGRAMMABLE LOGIC CONTROLLER	1	1	1	75	25	25	25	150

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6	E2	EN612	INTERNET TECH. & WEB DESIGN	1	1	1	75	25	25	25	150
7	E2	EN613	ADVANCED MICROCONTROLLERS	1	1	1	75	25	25	25	150
8	E2	EN614	E-COMMERCE	1	1	1	75	25	25	25	150
9	E2	EN615	CONSUMER ELECTRONICS	1	1	1	75	25	25	25	150
10	E2	ME617	MARKETING MANAGEMENT	1	1	1	75	25	25	25	150
11	E2	MX611	NUCLEAR MEDICINE	1	1	1	75	25	25	25	150
12	E2	MX612	VENTILATOR MANAGEMENT	1	1	1	75	25	25	25	150
13	E2	MX613	TELEMEDICINE	1	1	1	75	25	25	25	150
14	E2	MX614	PRIN. & PRAC. OF LAB. MEDICINE	1	1	1	75	25	25	25	150
15	E2	IE6**	INSTITUTIONAL ELECTIVE	1	1	1	75	25	25	25	150
<b>ANY TWO OF E2</b>											