	KARNATAKA STATE BOARD OF TECHNICAL EXAMINATION, BENGALURU.		
1	**TEACHING AND EXAMINATION SCHEME FOR DIPLOMA PROGRAMME.**		
	PROGRAMME NAME: MECHANICAL ENGINEERING	**PROGRAMME CODE: ME**	
	PATTERN: FULL TIME	**DURATION OF PROGRAMME: 3 YEARS (6 SEMESTERS)**	
	SEMESTER: I	**SCHEME: C-15**	

Sl.no	Course Name	Teaching Department	Course/QP code	Teaching Scheme – Contact Hours					Examination Scheme						
				TH	TU	PR	Total	Credit	Exam Paper Duration in Hrs	Semester End Exam		CIE Marks	Total Marks	Min Marks for passing (including CIE marks)
										Max Marks	Min Marks			
1	Communication Skills in English	Sc&Huma	**15CP01E**	4	-	-	4	4	3	100	35	25	125	45
2	Engineering Mathematics-I	Sc	**15SC01M**	4	-	-	4	4	3	100	35	25	125	45
3	Work Shop Technology	ME	**15ME11T**	4	-	-	4	4	3	100	35	25	125	45
4	Engineering Graphics-I	ME	**15ME12D**	-	2	4	6	3	4	100	35	25	125	45
5	Basic Computer Skills Lab	ME	**15ME13P**	-	2	4	6	3	3	50	25	25	75	35
6	Basic Workshop Practice -I	ME	**15ME14P**		2	4	6	3	3	50	25	25	75	35
			Total	12	6	12	30	21		500	190	150	650	250

1 Hr Theory = 1 Credit :: 2Hrs Practical/TU = 1 Credit .
QP Code- Question Paper code :: TH-Theory Hours :: TU-Tutorial :: PR-Practical

2		**KARNATAKA STATE BOARD OF TECHNICAL EXAMINATION, BENGALURU.**
		TEACHING AND EXAMINATION SCHEME FOR DIPLOMA PROGRAMME.
		**PROGRAMME NAME: MECHANICAL ENGINEERING**		**PROGRAMME NAME: MECHANICAL ENGINEERING**
		**PATTERN: FULL TIME**		**DURATION OF PROGRAMME: 3 YEARS (6 SEMESTERS)**
		**SEMESTER: II**		**SCHEME: C-15**

Sl.no	Course Name	Teaching Department	Course/QP code	TH	TU	PR	Total	Credit	Exam Paper Duration in Hrs	Semester End Exam Max Marks	Semester End Exam Min Marks	CIE Marks	Total Marks	Min Marks for passing (including CIE marks)
1	Engineering Mathematics - II	Sc	**15SC02M**	4			4	4	3	100	35	25	125	45
2	Applied science	Sc	**15SC03S**	4			4	4	3	100	35	25	125	45
3	Basic Electrical & Electronics Engineering	EE	**15EE01E**	4			4	4	3	100	35	25	125	45
4	Engineering Graphics-II	ME	**15ME21D**	-	2	4	6	3	4	100	35	25	125	45
5	Applied Science Lab	Sc	**15SC04P**		2	4	6	3	3	50	25	25	75	35
6	Basic Electrical & Electronics Lab	EE	**15EE02P**		2	4	6	3	3	50	25	25	75	35
			Total	12	6	12	30	21		500	190	150	650	250

1 Hr Theory = 1 Credit :: 2Hrs Practical/TU = 1 Credit .

QP Code- Question Paper code :: TH-Theory Hours :: TU-Tutorial :: PR-Practical

	3			KARNATAKA STATE BOARD OF TECHNICAL EXAMINATION, BENGALURU.									
				TEACHING AND EXAMINATION SCHEME FOR DIPLOMA PROGRAMME.									
			PROGRAMME NAME: MECHANICAL ENGINEERING					PROGRAMME NAME: MECHANICAL ENGINEERING					
			PATTERN: FULL TIME					DURATION OF PROGRAMME: 3 YEARS (6 SEMESTERS)					
			SEMESTER: III					SCHEME: C-15					

Sl.no	Course Name	Teaching Department	Course /QP code	Teaching Scheme – Contact Hours					Examination Scheme					
				TH	TU	PR	Total	Credit	Exam Paper Duration in Hrs	Semester End Exam		CIE Marks	Total Marks	Min Marks for passing (including CIE marks)
										Max Marks	Min Marks			
1	Strength of Materials	ME	15ME31T	4			4	4	3	100	35	25	125	45
2	Mechanics of machines	ME	15ME32T	4			4	4	3	100	35	25	125	45
3	Mechanical Measurements	ME	15ME33T	4			4	4	3	100	35	25	125	45
4	Machine Drawing	ME	15ME34D		2	4	6	3	4	100	35	25	125	45
5	Mechanical Computer Aided Drafting (MCAD)	ME	15ME35P		2	4	6	3	3	50	25	25	75	35
6	Basic Work Shop -II	ME	15ME36P		2	4	6	3	3	50	25	25	75	35
7	Mechanical Testing & Quality Control Lab	ME	15ME37P		2	4	6	3	3	50	25	25	75	35
				12	8	16	36	24		550	215	175	725	285

1 Hr Theory = 1 Credit :: 2Hrs Practical/TU = 1 Credit .
QP Code- Question Paper code :: TH-Theory Hours :: TU-Tutorial :: PR-Practical

4		**KARNATAKA STATE BOARD OF TECHNICAL EXAMINATION, BENGALURU.**			
		TEACHING AND EXAMINATION SCHEME FOR DIPLOMA PROGRAMME.			
		PROGRAMME NAME: MECHANICAL ENGINEERING		**PROGRAMME NAME: MECHANICAL ENGINEERING**	
		PATTERN: FULL TIME		**DURATION OF PROGRAMME: 3 YEARS (6 SEMESTERS)**	
		SEMESTER: IV		**SCHEME: C-15**	

Sl.no	Course Name	Teaching Department	Course/QP code	Teaching Scheme — Contact Hours					Examination Scheme						
				TH	TU	PR	Total	Credit	Exam Paper Duration in Hrs	Semester End Exam		CIE Marks	Total Marks	Min Marks for passing (including CIE marks)	
										Max Marks	Min Marks				
1	Hydraulics & Pneumatics	ME	15ME41T	4			4	4	3	100	35	25	125	45	
2	Basic Thermal Engineering	ME	15ME42T	4			4	4	3	100	35	25	125	45	
3	Machine Tool Technology	ME	15ME43T	4			4	4	3	100	35	25	125	45	
4	Professional Ethics & Indian Constitution	ME	15ME44T	4			4	4	3	100	35	25	125	45	
5	Hydraulics & Pneumatics Lab	ME	15ME45P		2	4	6	3	3	50	25	25	75	35	
6	Machine shop	ME	15ME46P		2	4	6	3	3	50	25	25	75	35	
7	C Programming lab	ME	15ME47P		2	4	6	3	3	50	25	25	75	35	
				16	6	12	34	25		550	215	175	725	285	

1 Hr Theory = 1 Credit :: 2 Hrs Practical/TU = 1 Credit .
QP Code- Question Paper code :: TH-Theory Hours :: TU-Tutorial :: PR-Practical

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KARNATAKA STATE BOARD OF TECHNICAL EXAMINATION, BENGALURU.
TEACHING AND EXAMINATION SCHEME FOR DIPLOMA PROGRAMME.

PROGRAMME NAME: MECHANICAL ENGINEERING	PROGRAMME NAME: MECHANICAL ENGINEERING
PATTERN: FULL TIME	DURATION OF PROGRAMME: 3 YEARS (6 SEMESTERS)
SEMESTER: V	SCHEME: C-15

Sl no	Course Name	Teaching Department	Course /QP code	TH	TU	PR	Total	Credit	Exam Paper Duration in Hrs	Max Marks	Min Marks	CIE Marks	Total Marks	Min Marks for passing (including CIE marks)
1	Industrial Management	ME	15ME51T	4	-	-	4	4	3	100	35	25	125	45
2	Applied Thermal Engg.	ME	15ME52T	4	-	-	4	4	3	100	35	25	125	45
3	Machine Design	ME	15ME53T	4	-	-	4	4	3	100	35	25	125	45
4	Mechatronics	ME	15ME54T	4	-	-	4	4	3	100	35	25	125	45
5	Professional Practices	ME	15ME55P	-	2	4	6	3	3	50	25	25	75	35
6	Thermal Engg. Lab	ME	15ME56P	-	2	4	6	3	3	50	25	25	75	35
7	Mechatronics Lab	ME	15ME57P	-	2	4	6	3	3	50	25	25	75	35
8	Project work-I	ME	15ME58P	-	-	3	3	-	-	-	-	25	25	-
				16	6	15	37	25		550	215	200	750	285

1 Hr Theory = 1 Credit :: 2Hrs Practical/TU = 1 Credit .
QP Code- Question Paper code :: TH-Theory Hours :: TU-Tutorial :: PR-Practical

		KARNATAKA STATE BOARD OF TECHNICAL EXAMINATION, BENGALURU.	
6		TEACHING AND EXAMINATION SCHEME FOR DIPLOMA PROGRAMME.	
		PROGRAMME NAME: MECHANICAL ENGINEERING	PROGRAMME NAME: MECHANICAL ENGINEERING
		PATTERN: FULL TIME	DURATION OF PROGRAMME: 3 YEARS (6 SEMESTERS)
		SEMESTER: VI	SCHEME: C-15

Sl. no	Course Name	Teaching Department	Course/QP code	Teaching Scheme Contact Hours					Examination Scheme						
				TH	TU	PR	Total	Credit	Exam Paper Duration in Hrs	Semester End Exam		CIE Marks	Total Marks	Min Marks for passing (including CIE marks)
										Max Marks	Min Marks			
1	Estimation & Costing	ME	15ME61T	4	-	-	4	4	3	100	35	25	125	45
2	Computer Integrated Manufacturing	ME	15ME62T	4	-	-	4	4	3	100	35	25	125	45
3	Elective Course	ME	***	4			4	4	3	100	35	25	125	45
4	CNC Lab	ME	15ME64P	-	2	4	6	3	3	50	25	25	75	35
5	Computer Aided Analysis and Simulation Lab (CASA)	ME	15ME65P	-	2	4	6	3	3	50	25	25	75	35
6	Project Work-II	ME	15ME66P	-	2	4	6	3	3	50	25	25	75	35
7	In plant Training	ME	15ME67P	-	-	4	4	2	-	-	-	25	25	-
				12	6	16	34	23		450	180	175	625	240

1 Hr Theory = 1 Credit :: 2 Hrs Practical/TU = 1 Credit .

QP Code- Question Paper code :: TH-Theory Hours :: TU-Tutorial :: PR-Practical

***Elective Courses/Course Code:

1.Automobile Engg.-15ME63A	2.Power Plant Engg.-15ME63B	3.Renewable Energy Resources-15ME63C	4.Refrigeration & Air conditioning-15ME63F