GURUGRAM UNIVERSITY
SCHEME OF STUDIES AND EXAMINATION
M.TECH 1ST YEAR (MECHANICAL ENGINEERING)
SEMESTER 1

Sl. No	Course Code	Subject	Credit Pattern				Examination Schedule(Marks)				Duration of Exam (Hours)	No of Hours /week
			L	T	P	Total Credits	Marks of Class work	Theory	Practical	Total		
1	16MME21C1	Micro Machining Processes	4	0	-	4	50	100	-	150	3	4
2	16MME21C2	Computer Aided Design & Manufacturing	4	0	-	4	50	100	-	150	3	4
3	16MME21C3	IC Engine Combustion & Pollution	4	0	-	4	50	100	-	150	3	4
4	16MME21C4	Machine ToolDesign	4	0	-	4	50	100	-	150	3	4
5	16MME21C5	Seminar	-	-	-	2	50	-	-	50		2
6	16MME21CL1	Computer Aided Design & Manufacturing Lab	-	-	2	2	50	-	50	100	3	4
7	16MME21CL2	IC Engine Combustion & Pollution Lab	-	-	2	2	50	-	50	100	3	4
8	16MME21CL3	Micro Machining Processes Lab	-	-	2	2	50	-	50	100	3	4
9	16MME21D1 or 16MME21D2 or16MME21D3	Elective I	4	0	-	4	50	100	-	150	3	4

NOTE:

Examiner will set nine questions in total. Question One will be compulsory and will comprise short answer type questions from all sections and remaining eight questions to be set by taking two questions from each unit. The students have to attempt five questions in total, first being compulsory and selecting one from each Unit.

ELECTIVE - I :Choose any one from the following three papers:

16MME21D1 - NUMERICAL METHODS & COMPUTING
16MME21D2 - METHOD ENGINEERING & ERGONOMICS
16MME21D3 - COMPUTATIONAL FLUID DYNAMICS

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SCHEME OF STUDIES AND EXAMINATION
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SEMESTER 2

Sl. N o	Course Code	Subject	Credit Pattern				Examination Schedule(Marks)				Duration of Exam (Hours)	No of Hours/ week
			L	T	P	Total Credits	Marks of Class works	Theory	Practical	Total		
1	16MME22C1	Welding & Allied Processes	4	0	-	4	50	100	-	150	3	4
2	16MME22C2	Total Quality Management	4	0	-	4	50	100	-	150	3	4
3	16MME22C3	Seminar	-		-	2	50	-	-	50		2
4	16MME22CL1	Mechatronics Lab	-	-	2	2	50	-	50	100	3	4
5	16MME22CL2	Advanced Welding Lab	-	-	2	2	50	-	50	100	3	4
6	16MME22D1 or 16MME22D2 or 16MME22D3	Elective-II	4	0	-	4	50	100	-	150	3	4
7		Open Elective	3	0	-	3						
8		Foundation Elective	2	0	-	2						
		TOTAL	**23**									

NOTE: Examiner will set nine questions in total. Question One will be compulsory and will comprise short answer type questions from all sections and remaining eight questions to be set by taking two questions from each unit. The students have to attempt five questions in total, first being compulsory and selecting one from each Unit.

Elective II :Choose any one from the following three papers:

16MME22D1 - MODELING & SIMULATION
16MME22D2 - JIGS & FIXTURE
16MME22D3 - TOOL & DIE DESIGN

Open Elective:

A candidate has to select this paper from the pool of Open Electives provided by the University.

Foundation Elective:

A candidate has to select this paper from the pool of Foundation Electives provided by theUniversity.