M D U Rohtak

M.Tech(Mechanical Engineering)

CBCS Based Syllabus

w.e.f. 2016-17

M.D.UNIVERSITY, ROHTAK

SCHEME OF STUDIES AND EXAMINATION

M.TECH 1st YEAR (MECHANICAL ENGINEERING)

SEMESTER 1

CBCS Scheme effective from 2016-17

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	MTME21C1	Micro Machining Processes	4	0	-	4	50	100	-	150	3	4
2	MTME21C2	Computer Aided Design & Manufacturing	4	0	-	4	50	100	-	150	3	4
3	MTME21C3	IC Engine Combustion & Pollution	4	0	-	4	50	100	-	150	3	4
4	MTME21C4	Machine Tool Design	4	0	-	4	50	100	-	150	3	4
5	MTME21C5	Seminar	-	-	-	2	50	-	-	50		2
6	MTME21C6	Computer Aided Design & Manufacturing Lab	-	-	2	2	50	-	50	100	3	4
7	MTME21C7	IC Engine Combustion & Pollution Lab	-	-	2	2	50	-	50	100	3	4
8	MTME 21C8	Micro Machining Processes Lab	-	-	2	2	50	-	50	100	3	4
9	MTME21D1 or MTME21D2 or MTME21D3	Elective I	4	0	-	4	50	100	-	150	3	4
	TOTAL					28						

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:

MTME21D1 - NUMERICAL METHODS & COMPUTING

MTME21D2 - METHOD ENGINEERING & ERGONOMICS

MTME21D3 - COMPUTATIONAL FLUID DYNAMICS

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SCHEME OF STUDIES AND EXAMINATION

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SEMESTER 2

CBCS Scheme effective from 2016-17

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 works	Theory	Practical	Total		
1	MTME22C1	Welding & Allied Processes	4	0	-	4	50	100	-	150	3	4
2	MTME22C2	Total Quality Management	4	0	-	4	50	100	-	150	3	4
3	MTME22C3	Seminar	-		-	2	50	-	-	50		2
4	MTME22C4	Mechatronics Lab	-	-	2	2	50	-	50	100	3	4
5	MTME22C5	Advanced Welding Lab	-	-	2	2	50	-	50	100	3	4
6	MTME22D1 or MTME22D2 or MTME22D3	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:

      MTME22D1 - MODELING & SIMULATION

      MTME22D2 - JIGS & FIXTURE

      MTME22D3 - 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 the University.