

People's University, Bhopal
Scheme of Examination

Program: M Tech
Branch: Thermal Engineering

Semester: I

S. No.	Course category	Subject Code	Subject Name & Title	Maximum Marks Allotted						Credits Allotted Subject Wise			Total Credits	Remarks :	
				Theory Slots			Practical Slots			Total marks	Period Per Week				
				End Sem	Mid Sem	Assignment	End Sem	Term Work			L	T			P
								Lab Work	Assignment						
1	DC	MTTE 101	Mathematical Methods	70	20	10	-	-	-	100	3	1	0	4	One credit refers to one hour of teaching in theory, tutorial and practical; 32 hour workload per week corresponding to LTP
2	DC	MTTE 102	Advanced thermodynamics	70	20	10	-	-	-	100	3	1	0	4	
3	DC	MTTE 103	Advanced Fluid mechanics	70	20	10	-	-	-	100	3	1	0	4	
4	DC	MTTE 104	IC Engine & Alternate fuels	70	20	10	-	-	-	100	3	1	0	4	
5	DC	MTTE 105	Design of heat exchanger	70	20	10	-	-	-	100	3	1	0	4	
6	Lab I	MTTE 106	LAB -I	-	-	-	100	30	20	150	0	0	6	6	GRAND TOTAL
7	Lab II	MTTE 107	LAB -II	-	-	-	100	30	20	150	0	0	6	6	
TOTAL				350	100	50	200	60	40	800	15	5	12	32	800

DC-Departmental Core

L- LECTURE

T-TUTORIAL

P-PRACTICAL

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People's University
Bhopal
Registrar

Abhash
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People's University, Bhopal

Scheme of Examination

Semester: II

Program: M Tech
Branch: Thermal Engineering

S. No.	Course category	Subject Code	Subject Name & Title	Max mum Marks Allotted						Credits Allotted Subject Wise	Total Credits	Remarks: One credit refers to			
				Theory Slots			Practical Slots						Total marks	Period Per Week	
				End Sem	Mid Sem	Assign ment	End Sem	Term Work		L	T			P	
								Lab Work	Assi gnment						
1	DC	MTTE 201	Fluid Mechanics of Turbomachines	70	20	10	-	-	-	100	3	1	0	4	tutorial and practical; 32 hour workload per week corresponding to LTP
2	DC	MTTE 202	Advanced Refrigeration and Air Conditioning	70	20	10	-	-	-	100	3	1	0	4	
3	DC	MTTE 203	Fuels, Combustion, and Emission Control	70	20	10	-	-	-	100	3	1	0	4	
4	DC	MTTE 204	Instrumentation	70	20	10	-	-	-	100	3	1	0	4	
5	DC	MTTE 205	Energy Conservation, Management, and Audit	70	20	10	-	-	-	100	3	1	0	4	
6	Lab I	MTTE 206	LAB III	-	-	-	100	30	20	150	0	0	6	6	GRAND TOTAL
7	Lab II	MTTE 207	LAB IV	-	-	-	100	30	20	150	0	0	6	6	
TOTAL				350	100	50	200	60	40	800	15	5	12	32	800

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DC-Departmental course, DE-Departmental Elective

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People's University, Bhopal
Scheme of Examination

Semester: III

Program: M Tech
Branch: Thermal Engineering

S. No.	Course category	Subject Code	Subject Name & Title	Maximum Marks Allotted						Credits Allotted Subject Wise			Total Credits	Remarks: One credit refers to one hour of teaching in theory, tutorial and practical; 32 hour workload per week corresponding to LTP
				Theory Slots			Practical Slots		Total marks	Period Per Week				
				End Sem.	Mid Sem	Assignment	Presentation	Lab		L	T	P		
1	DC	MTTE 301	Advanced Heat Transfer	70	20	10	-	-	100	3	1	0	4	<p align="center">GRAND TOTAL</p>
2	DC	MTTE 302	Computational Fluid Dynamics	70	20	10	-	-	100	3	1	0	4	
3	DC	MTTE 303	Boiler Auxiliaries and Performance Evaluation	70	20	10	-	-	100	3	1	0	4	
4	DE	Table-I	Elective-I	70	20	10	-	-	100	3	1	0	4	
5	DE	Table-II	Elective-II	70	20	10	-	-	100	3	1	0	4	
6	DC	MTTE 306	Seminar	-	-	-	150	-	150	0	0	6	6	
7	DC	MTTE 307	Minor Project	-	-	-	50	100	150	0	0	6	6	
TOTAL				350	100	50	200	100	800	15	5	12	32	800

DC-Departmental core
L-LECTURE

T-TUTORIAL

DE- Departmental Elective
P-PRACTICAL

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P. Kumar
CHAIRMAN

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Table-I / Elective-I			
Subject Code	MTE 304	MTE 314	MTE 324
Subject Name	Tribology	Analysis of Thermal Power Cycles	Analysis and Design of Pressure Vessels

Table-II/ Elective- II			
Subject Code	MTE 305	MTE 315	MTE 325
Subject Name	Environmental Pollution and Control	Finite Element Method in Heat Transfer Analysis	Computer Aided Design of Thermal System

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3
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People's University, Bhopal

Scheme of Examination

M. Tech Syllabus

Program: M Tech
Branch: Thermal Engineering

Semester : IV

S. No.	Course category	Subject Code	Subject Name & Title	Maximum Marks Allotted					Credits Allotted Subject Wise			Total Credits	Remarks: One credit refers to one hour teaching in theory, tutorial and practical: 20 hour workload per week corresponding to LTP
				Theory Slots			Practical Slots	Total marks	Period Per Week				
				End Sem	Mid Sem	Assignment	End Sem		L	T	P		
1	DC	MTTE 401	Dissertation	-	-	-	500	500	0	0	20	20	GRAND TOTAL
TOTAL				-	-	-	500	500	0	0	20	20	500

DC-Departmental core

L-LECTURE

T-TUTORIAL

P-PRACTICAL

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H. G. P. M.