Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology **BRANCH**: Mechanical Engineering

Specialization: Thermal Engineering

SEMESTER: I

					Maxi	imun	n Mar	ks Allotte	d						
				Theory	Slot		P	ractical Sl	ot		Teaching Hour Per Week				
		Subject Name			-11			Term Work		80				dits	
S.No.	Subject Code		End Sem	MST	Quiz, Assignment	Attendance	End Sem	Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance	Total Marks	L	Т	P	Total Credits	Remark
1	MT1101	Research Methodology & IPR	70	15	10	05	-	1	-	100	3		-	04	s to
2	MTTE 1102	Advanced Thermodynamics	70	15	10	05			Y	100	3	1		04	refers to 1 I (T) refers cal (P) ref
3	MTTE 1103	Advanced Fluid Mechanics	70	15	10	05	S	S		100	3	1		04	refer I (T) cal (
4	MTTE 1104	IC Engine & Alternate Fuels.	70	15	10	05	-	-	-	100	3	1	-	04	re (L) r utorial Practic credit.
5	MTTE 1105	Boiler Auxiliaries & Performance Evaluation.	70	15	10	05	-	-	-	100	3	1	-	04	One hour Lecture (L.) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 10.5 credit.
6	MTTE 1106	Fluid Mechanics Lab	-	-	ı	ı	70	15	15	100	-	-	4	02	nour] he h One t
7	MTTE 1107	IC Engine Lab	-	-	-	_	70	15	15	100	-	-	4	02	One b Iit, C ædit,
8	MT 1108	# Audit Course I (Value Education)	35	-	10	05	-	-	-	50	2	-	-	00	Grand Total
	Total				50	25	140	30	30	700	17	05	08	24	700

[#] Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

Scheme of Examination
(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology : Mechanical Engineering. **BRANCH**

Specialization: Thermal Engineering.

SEMESTER: II

					Max	imum	Mark	s Allotte	d		Tanahina Han				
			r	Theor	y Slot		Practical Slot				Teaching Hour Per Week				
								Term Work						its	
S.No.	Subject Code	Subject Name		MST	Quiz, Assignment	Attendance	End Sem	Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance	Total Marks	L	Т	P	Total Credits	Remark
1	Refer Table-I	Professional Elective - I	70	15	10	05	-	-	-	100	3	1	-	04	dit,
2	MTTE 1202	Advanced Refrigeration & Air Conditioning	70	15	10	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.
3	MTTE 1203	Advanced Heat Transfer	70	15	10	05	1		-	100	3	1	1	04	fers t refe al (P
4	MTTE 1204	Computation Fluid Dynamics	70	15	10	05	7			100	3	1	(-)	04	ure (L) rel utorial (T ur Practic 0.5 credit.
5	MTTE 1205	Energy Conservation Management & Audit	70	15	10	05	J	M _. C	-	100	3	1)	04	One hour Lecture (L.) refers to 1 cr One hour Tutorial (T.) refers to credit, One hour Practical (P.) refer 0.5 credit.
6	MTTE 1206	Refrigeration & Air Conditioning Lab	1	-	-	1	70	15	15	100	-	-	4	02	ur Le hou
7	MTTE 1207	Computation Fluid Dynamics Lab	-	-	-	-	70	15	15	100	-	-	4	02	ne ho One edit,
8	8 MT 1208 # Audit Course II (English for Research Paper Writing)		35	-	10	05	-	-	-	50	2	-	-	0	ර් ව් Grand Total
	Total					25	140	30	30	700	17	05	08	24	700

[#] Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

Table I: Professional Elective-I

Professional Elective –I Subject Code	MTTE12101	MTTE12102	MTTE12103
Name of Processional Elective Subject	Environmental Pollution and Control	Solar Energy Technology	Gas Dynamics

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH: Mechanical Engineering Specialization: Thermal Engineering SEMESTER: III

			Maximum Marks Allotted									Teaching					
		Subject Name	Theory Slot				Practical Slot				Hour Per Week			S			
					ent		Term Work		rks	,, сел		- 	redits				
S.No.	o. Subject Code		Sem	L	ssignment	lance	Sem	ınce, rd &	nment Attenda	Total Marks				Total C	1 Ciliai II		
			End S	MST	A	Attendance	End Sem	Lab Performanc Lab Record Viva		Tota	L	T	P	Tc			
					Quiz,	¥		Perf Lab	Assign/Quiz//								
1	Refer Table- II	Open Elective	70	15	10	05	-	-	-	100	3	1	-	4	ur (L) o 1 o 1 o ne orrial s to One (P)		
2	Refer Table- III	Professional Elective -II	70	15	10	05	A	-	-	100	3	1	-	4	One hour refers to credit, On our Tutor T) refers credit, O hour rectical (Cefers to 0 efers to 0 credit.		
5	MTTE 1303	Pre-Dissertation			M		200	50	50	300	n		12	6	bo c c f f f f f f f f f f f f f f f f f		
	IDDIOVEG						750	GU	30	300			12	Ü	Grand Total		
	Total			30	20	10	200	50	50	500	06	02	12	14	500		

Table II: Open Elective

Open Elective Subject Code	MT13101	MT13102	MT13103
Name of Open Elective Subject	Industrial Safety	Waste to Energy	Cost Management of Engineering Projects

Table III: Professional Elective-II

Professional Elective –II Subject Code	MTTE13201	MTTE13202	MTTE13203
Name of Professional Elective II	Analysis of Thermal Power	Finite Element Method in Heat	Computer Aided Design of Thermal
Subject	Cycles	Transfer Analysis	System

Scheme of Examination

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PROGRAMME: Master of Technology

BRANCH: Mechanical Engineering. Specialization: Thermal Engineering. SEMESTER: IV

BRAN	ich : Mecha		Cializa	ition: In				SEMESTER: IV							
					Max	kimum	Marks A	Allotted			- Teaching				
			Theory Slot			Practical Slot				Hour Per Week					
					t			Term V	Term Work		VVCCIX			dits	
S .No.	Subject Code	Subject Name	End Sem	MST	Quiz, Assignment	Attendance	End Sem	Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance	Total Marks	L	Т	P	Total Credits	Remark
A	IUU	ove					X	Cdl	JE					Č	ecture (L) redit, One I (T) refers One hour refers to
1	MTTE1401	Dissertation	1	-	-	1	300	100	100	500	-	1	32	16	One hour Lecture refers to 1 credit, hour Tutorial (T) r to 1 credit, One Practical (P) refer 0.5 credit.
	Total		•	-	-	,	300	100	100	500	-		32	16	500

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical