



# **Dr. A.P.J. Abdul Kalam University, Indore**

**Scheme of Examination**

**Master of Technology (Thermal Power Engineering)**

**Department of Mechanical Engineering**



# Dr. A.P.J. Abdul Kalam University, Indore

## Scheme of Examination

### Master of Technology (Thermal Power Engineering)

#### Department of Mechanical Engineering

#### SEMESTER : 1<sup>st</sup> SEMESTER

S. No.	Subject Code	Subject Name	Maximum Marks Allotted					Hours/Week			Credits	Marks
			Theory			Practical		L	T	P		
			End Sem.	Mid Sem. Test	Quiz, Assignment	End Sem. Practical /Viva	Practical Record/ Assignment / Quiz /Presentation					
1	MTTPE 101	Advance Mathematics	70	20	10	-	-	3	1	-	4	100
2	MTTPE 102	Thermodynamics and Combustion	70	20	10	-	-	3	1	-	4	100
3	MTTPE 103	Heat & Mass Transfer	70	20	10	-	-	3	1	-	4	100
4	MTTPE 104	Advanced Fluid Mechanics	70	20	10	-	-	3	1	-	4	100
5	MTTPE 105	IC Engines and Alternate Fuels	70	20	10	-	-	3	1	-	4	100
6	MTTPE 106	Lab – I (103)	00	00	00	90	60	-	-	6	6	150
7	MTTPE 107	Lab – II (105)	00	00	00	90	60	-	-	6	6	150
		<b>Total</b>	<b>350</b>	<b>100</b>	<b>50</b>	<b>180</b>	<b>120</b>	<b>15</b>	<b>5</b>	<b>12</b>	<b>32</b>	<b>800</b>

L: Lecture

T: Tutorial

P: Practical

Lab - I – Heat Transfer

Lab - II - IC Engine



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## Scheme of Examination

### Master of Technology (Thermal Power Engineering)

#### Department of Mechanical Engineering

#### SEMESTER : II<sup>nd</sup> SEMESTER

S. No.	Subject Code	Subject Name	Maximum Marks Allotted					Hours/Week			Credits	Marks
			Theory			Practical		L	T	P		
			End Sem.	Mid Sem. Test	Quiz, Assignment	End Sem.	Practical Record/ Assignment / Quiz /Presentation					
1	MTTPE 201	Thermal Power Plant Engineering	70	20	10	-	-	3	1	-	4	100
2	MTTPE 202	Design of Heat Exchangers	70	20	10	-	-	3	1	-	4	100
3	MTTPE 203	Advance Refrigeration System	70	20	10	-	-	3	1	-	4	100
4	MTTPE 204	Steam and Gas Turbine	70	20	10	-	-	3	1	-	4	100
5	MTTPE 205	Maintenance of Thermal Power Plant	70	20	10	-	-	3	1	-	4	100
6	MTTPE 206	Lab – III (205)	00	00	00	90	60	-	-	6	6	150
7	MTTPE 207	Lab IV (203)	00	00	00	90	60	-	-	6	6	150
		<b>Total</b>	<b>350</b>	<b>100</b>	<b>50</b>	<b>180</b>	<b>120</b>	<b>15</b>	<b>5</b>	<b>12</b>	<b>32</b>	<b>800</b>

L: Lecture

T: Tutorial

P: Practical

**Lab. III** - Maintenance of Thermal Power Plant

**Lab.IV** - Advance Refrigeration and Air conditioning Systems