



SHRI RAWATPURA SARKAR UNIVERSITY, RAIPUR, CHHATTISGARH
FACULTY OF ENGINEERING

Shri Rawatpura Sarkar University, Raipur



Examination Scheme & Syllabus

for

M.Tech.(Thermal Engineering)

Semester-I

(Effective from the session: 2022-23)



**SHRI RAWATPURA SARKAR UNIVERSITY, RAIPUR, CHHATTISGARH
FACULTY OF ENGINEERING**

**Two Years M.Tech. Programme
Scheme of Teaching and Examination
M.Tech. First Semester Thermal Engineering
Outcome Based Education (OBE) and Choice Based Credit System (CBCS)
(Effective from the session: 2022-23)**

S.N	Course Code	Course Title	Hours per week			Credit	Examination Scheme			Sem End Exam Duration (Hrs)
			L	T	P		Continuous Evaluation	Sem End Exam	Total	
1.	MSCCP101T	Advanced Computational Methodology	3	1	-	4	30	70	100	3
2.	MENTH102T	Advanced Thermodynamics	3	1	-	4	30	70	100	3
3.	MENTH103T	Advance Fluid Mechanics	3	1	-	4	30	70	100	3
4.	MENTH104T	Advanced Heat Transfer	3	1	-	4	30	70	100	3
5.	MENTH105T	Elective - I	3	1	-	4	30	70	100	3
6.	MENTH101 P	Computational Fluid Flow & Heat Transfer Lab	-	-	4	2	15	35	50	-
7.	MENTH102 P	Experiments in Thermal Engineering	-	-	4	2	15	35	50	-
						24			600	

L – LECTURE, T- TUTORIAL, P- PRACTICAL, EX-EXAM, IN- INTERNAL, TC- TOTAL CREDIT, Th- THOERY, Pr- PRACTICAL

List of Electives-I

S.No.	Subject	Subject Code
I	Design of Heat Exchangers	MENTH105A
II	Fluid Power Engineering	MENTH105B
III	Advanced I.C. Engines Technology	MENTH105C
IV	Non Conventional Energy Systems	MENTH105D