



SARVEPALLI RADHAKRISHNAN UNIVERSITY, BHOPAL

SCHEME OF EXAMINATION AS PER AICTE MODEL CURRICULUM w.e.f. JULY 2020

GRADING SYSTEM (FOR STUDENTS ADMITTED IN JULY 2020 ONWARDS)

Master of Technology (THERMAL ENGG.)

I Semester/ I Year

S.No.	Subject Code	Category	Name of Subject	MAXIMUM MARKS ALLOTTED					Total Marks	Contact Hours per week			Total Credits
				Theory Slot			Practical Slot			L	T	P	
				End Sem	Mid Sem Test (Two Test Avg.)	Quiz & Assig.	End Sem	Term Work					
1	MTTHE 11	CORE	RESEARCH METHODOLOGY & IPR	100	30	30	-	-	160	3	1	0	4
2	MTTHE 12	CORE	HEAT & MASS TRANSFER	100	30	30	50	50	260	3	1	4	6
3	MTTHE 13	CORE	ADVANCE FLUID MECHANICS	100	30	30	50	50	260	3	1	4	6
4	MTTHE 14	MEPE	ELECTIVE -I	100	30	30	-	-	160	3	1	0	4
5	MTTHE 15	MEPE	ELECTIVE -II	100	30	30	-	-	160	3	1	0	4
6	MTTHE 16	AUDIT	AUDIT-I *	-	-	-	-	-	-	2	0	0	0
TOTAL				500	150	150	100	100	1000	17	5	8	24
				L: LECTURE		P: PRACTICAL		T: TUTORIAL					

ELECTIVE-I

MTTHE 14 (A) NUCLEAR ENGINEERING
 MTTHE 14 (B) ENERGY CONSERVATION & MANAGEMENT
 MTTTH E14 (C) GAS FLOW THROUGH TURBO MACHINES

ELECTIVE-II

MTTHE 15 (A) STEAM & GAS TURBINE
 MTTTH E15 (B) AIR CONDITIONING SYSTEM DESIGN
 MTTTH E15 (C) PUMP BLOWERS AND COMPRESSOR

*AUDIT COURSE-I : ENGLISH FOR RESEARCH PAPER WRITING



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II Semester/ I Year

S.No.	Subject Code	Category	Name of Subject	MAXIMUM MARKS ALLOTTED					Total Marks	Contact Hours per week			Total Credits
				Theory Slot			Practical Slot			L	T	P	
				End Sem	Mid Sem Test (Two Test Avg.)	Quiz & Assig.	End Sem	Term Work					
1	MTTHE 21	CORE	MINI PROJECT	-	-	-	100	60	160	0	0	4	2
2	MTTHE 22	CORE	REFRIGERATION & CRYOGENICS	100	30	30	50	50	260	4	1	2	6
3	MTTHE 23	CORE	I.C. ENGINE AND ALTERNATE FUELS	100	30	30	50	50	260	4	1	2	6
4	MTTHE 24	MEPE	ELECTIVE -III	100	30	30	-	-	160	4	1	0	5
5	MTTHE 25	MEPE	ELECTIVE -IV	100	30	30	-	-	160	4	1	0	5
6	MTTHE 26	AUDIT	AUDIT-II **	-	-	-	-	-	-	2	0	0	0
TOTAL				400	120	120	200	160	1000	18	4	8	24
				L: LECTURE	P: PRACTICAL		T: TUTORIAL						

ELECTIVE-III

MTTHE 24 (A) DESIGN OF HEAT EXCHANGER
 MTTHE 24 (B) MAINTENANCE OF THERMAL POWER PLANT
 MTTHE 24 (C) TOTAL QUALITY MANAGEMENT

ELECTIVE-IV

MTTHE 25 (A) COMPUTATIONAL FLUID DYNAMICS
 MTTHE 25 (B) MODELLING OF I.C.ENGINE
 MTTHE 25 (C) OPERATION RESEARCH

****AUDIT COURSE-II : CONSTITUTION OF INDIA**



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III Semester/ II Year

S.No.	Subject Code	Category	Name of Subject	MAXIMUM MARKS ALLOTTED					Total Marks	Contact Hours per week			Total Credits
				Theory Slot			Practical Slot			L	T	P	
				End Sem	Mid Sem Test (Two Test Avg.)	Quiz & Assig.	End Sem	Term Work					
1	MTTHE 31	MEPE	ELECTIVE- V	100	30	30	-	-	160	4	1	-	5
2	MTTHE 32	MEOE	OPEN ELECTIVE	100	30	30	-	-	160	4	1	-	5
3	MTTHE 33	DIST	DISSERTATION -I	-	-	-	400	280	680	0	0	20	10
TOTAL				200	60	60	400	280	1000	8	2	20	20
L: LECTURE				P: PRACTICAL				T: TUTORIAL					

ELECTIVE-V

- MTTHE 31 (A) NON CONVENTIONAL ENERGY SOURCES
 MTTHE 31 (B) ADVANCE MATHEMATICAL METHODS IN ENGG.
 MTTHE 31 (C) DESIGN OF SOLAR AND WIND SYSTEM

OPEN ELECTIVE

- MTTH E32 (A) COMPOSITE MATERIAL
 MTTH E32 (B) INDUSTRIAL SAFETY
 MTTHE 32 (C) WASTE TO ENERGY



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IV Semester/ II Year

S.No.	Subject Code	Category	Name of Subject	MAXIMUM MARKS ALLOTTED					Total Marks	Contact Hours per week			Total Credits
				Theory Slot			Practical Slot			L	T	P	
				End Sem	Mid Sem Test (Two Test Avg.)	Quiz & Assig.	End Sem	Term Work					
1	MTTHE 41	DIST	DISSERTATION -II	-	-	-	500	500	1000	0	0	30	15
TOTAL				-	-	-	500	500	1000	0	0	30	15
L: LECTURE				P: PRACTICAL				T: TUTORIAL					