



SARVEPALLI RADHAKRISHNAN UNIVERSITY, BHOPAL

SCHEME OF EXAMINATION AS PER AICTE MODEL CURRICULUM AND NEP 2020 w.e.f. JULY 2021

Grading System (FOR STUDENTS ADMITTED IN JULY-2021 ONWARDS)

BACHELOR OF TECHNOLOGY (MECHANICAL ENGINEERING)

III RD SEMESTER (II YEAR)

S.NO.	SUBJECT CODE	CATEGORY	NAME OF SUBJECT	MAXIMUM MARKS ALLOTTED						TOTAL MARKS	CONTACT HOUR PER WEEK			TOTAL CREDITS
				THEORY SLOT			PRACTICAL SLOT				L	T	P	
				END SEM	MID SEM TEST (TWO TEST-AVG.)	QUIZ / ASSIGNM	END SEM	TERM WORK						
				LAB WORK & SESSION	ASSIGNMENT / QUIZ									
1	BE 31	BSC	MATHEMATICS-III	60	30	10	-	-	-	100	3	1	0	4
2	BE 32	BSC	BIOLOGY	60	30	10	-	-	-	100	3	1	0	4
3	BE 33	BSC	PHYSICS-II	60	30	10	30	10	10	150	2	1	2	4
4	ME 31	ESC	M/C DESIGN & DRAWING	60	30	10	30	10	10	150	4	0	4	6
5	ME 32	PCC-ME	STRENGTH & MECHANICS OF MATERIALS	60	30	10	30	10	10	150	2	1	2	4
6	BE-34	LC	JAVA PROGRAMMING	-	-	-	50	50	50	150	0	0	4	2
7	MC-3	NNP	NSS/NCC/PHYSICAL EDUCATION	30	10	10	30	10	10	100	1	-	2	2
8	MC-3A	NNP	CAMP-1 FOR NSS/ NCC/ PHYSICAL EDUCATION EVALUATION IN III rd SEM	30	10	10	30	10	10	100	2	-	6	5
TOTAL				360	170	70	200	100	100	800[§]/1000[#]	17	4	20	24[§]/31[#]
9	BE-35	PDFS	PROFESSIONAL DEVELOPMENT FINISHING SCHOOL-LEVEL-I						MANDATORY COURSE (NON CREDIT)					
L: LECTURE P: PRACTICAL T: TUTORIAL														

APPLICABLE ONLY FOR REGULAR STUDENTS ADMITTED IN JULY 2021 ONWARDS.

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IV SEMESTER (II YEAR)

S.NO	SUBJECT CODE	CATEGORY	NAME OF SUBJECT	MAXIMUM MARKS ALLOTTED						TOTAL MARKS	CONTACT HOUR PER WEEK			TOTAL CREDITS
				THEORY SLOT			PRACTICAL SLOT				L	T	P	
				END SEM	MID SEM TEST (TWO TEST)	QUIZ / ASSIGNMENTS	END SEM	TERM WORK						
								LAB WORK & SESSIONA	ASSIGNMENT / QUIZ					
1	BE 41	HSMC	ENGG. ECONOMICS & ACCOUNTANCY	60	30	10	-	-	-	100	3	1	-	4
2	ME 41	PCC-ME	MANUFACTURING PROCESS	60	30	10	-	-	-	100	4	0	0	4
3	ME 42	PCC-ME	THERMODYNAMICS	60	30	10	30	10	10	150	2	1	2	4
4	ME 43	PCC-ME	FLUID MECHANICS & FLUID MACHINES	60	30	10	30	10	10	150	2	1	2	4
5	ME 44	PCC-ME	THEORY OF MACHINES	60	30	10	30	10	10	150	3	1	4	6
6	BE 42	LC	MATLAB	-	-	-	50	50	50	150	0	0	4	2
7	MC 4	NNP	NSS/NCC/PHYSICAL EDUCATION	30	10	10	30	10	10	100	2	-	2	3
TOTAL				330	160	60	170	90	90	800^{\$}/900[#]	16	4	14	24^{\$}/27[#]
				L: LECTURE			P: PRACTICAL			T: TUTORIAL				
8	BE 43	MC	ENVIRONMENT SCIENCE							MANDATORY COURSES (NON CREDIT)				
9	BE 44	PDFS	PROFESSIONAL DEVELOPMENT FINISHING SCHOOL-LEVEL-II							MANDATORY COURSE (NON CREDIT)				

INDUSTRIAL TRAINING (2 WEEKS) TO BE CARRIED OUT AT THE END OF IV TH SEM. EXAM AND EVALUATED IN V TH SEMESTER

WEEKLY CAMP FOR NSS/ NCC / PHYSICAL EDUCATION TO BE CARRIED OUT AT THE END OF IVTH SEM EXAM AND EVALUATED IN V TH SEMESTER

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V SEMESTER (III YEAR)

S.NO.	SUBJECT CODE	CATEGORY	NAME OF SUBJECT	MAXIMUM MARKS ALLOTTED						TOTAL MARKS	CONTACT HOUR PER WEEK			TOTAL CREDITS
				THEORY SLOT			PRACTICAL SLOT				L	T	P	
				END SEM	MID SEM TEST (TWO TEST AVG.)	QUIZ / ASSIGNMENTS	END SEM	TERM WORK						
								LAB WORK & SESSIONAL	ASSIGNMENT / QUIZ					
1	ME 51	PCC-ME	INSTRUMENTATION & CONTROL	60	30	10	-	-	-	100	4	1	-	5
2	ME 52	PCC-ME	MATERIAL ENGINEERING	60	30	10	-	-	-	100	4	0	0	4
3	ME 53	PCC-ME	HEAT TRANSFER	60	30	10	30	10	10	150	3	1	4	6
4	ME 54	PCC-ME	THERMAL ENGG. & GAS DYNAMICS	60	30	10	30	10	10	150	4	1	2	6
5	BE 51	LC	RDBMS	-	-	-	50	50	50	150	0	0	4	2
6	ME 55	PROJ-ME	INDUSTRIAL TRAINING (TWO WEEKS)	-	-	-	50	50	50	150	0	0	2	1
7	MC 5	NNP	NSS/NCC/PHYSICAL EDUCATION	30	10	10	30	10	10	100	1	-	2	2
8	MC 5A	NNP	CAMP-2 FOR NSS, NCC PHYSICAL EDUCATION EVALUATION IN VTH SEM	30	10	10	30	10	10	100	2	-	6	5
TOTAL				300	140	60	220	140	140	800^{\$}/1000[#]	18	3	20	24^{\$}/31[#]
L: LECTURE P: PRACTICAL T: TUTORIAL														
9	BE 52	MC	ESSENCE OF INDIAN KNOWLEDGE TRADITION						MANDATORY COURSES (NON CREDIT)					
10	BE 53	PDFS	PROFESSIONAL DEVELOPMENT FINISHING SCHOOL-LEVEL-III						MANDATORY COURSE (NON CREDIT)					

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BACHELOR OF TECHNOLOGY (MECHANICAL ENGINEERING)

VI SEMESTER (III YEAR)

S.NO.	SUBJECT CODE	CATEGORY	NAME OF SUBJECT	MAXIMUM MARKS ALLOTTED						TOTAL MARKS	CONTACT HOUR PER WEEK			TOTAL CREDITS
				THEORY SLOT			PRACTICAL SLOT				L	T	P	
				END SEM	MID SEM TEST (TWO TEST AVG.)	QUIZ / ASSIGNMENTS	END SEM	TERM WORK						
								LAB WORK & SESSIONS	ASSIGNMENT / QUIZ					
1	ME 61	PEC-MEL	ELECTIVE –I	60	30	10	-	-	-	100	3	1	0	4
2	ME 62	OEC-ME	OPEN ELECTIVE-I	60	30	10	-	-	-	100	3	1	0	4
3	ME 63	PCC-ME	MANUFACTURING PROCESS –II	60	30	10	30	10	10	150	2	1	4	5
4	ME 64	PCC-ME	MACHINE DESIGN-I	60	30	10	30	10	10	150	3	1	2	5
5	ME 65	PEC-MEL	I.C. ENGINE	60	30	10	30	10	10	150	2	1	4	5
6	ME 66	PROJ-ME	MINOR PROJECT	-	-	-	50	50	50	150	0	0	2	1
7	MC 6	NNP	NSS/NCC/PHYSICAL EDUCATION	30	10	10	30	10	10	100	2	-	2	3
TOTAL				330	160	60	170	90	90	800^{\$}/900[#]	15	5	14	24^{\$}/27[#]
8	BE 61	PDFS	PROFESSIONAL DEVELOPMENT FINISHING SCHOOL - LEVEL - IV						MANDATORY COURSE (NON CREDIT)					
L: LECTURE P: PRACTICAL T: TUTORIAL														

ELECTIVE –I (CHOOSE ANY ONE)

- ME 61 (A) (PEC-MEL) AUTOMOBILE
- ME 61 (B) (PEC-MEL) TOTAL QUALITY MANAGEMENT
- ME 61 (C) (PEC-MEL) MECHATRONICS

OPEN ELECTIVE-I (CHOOSE ANY ONE)

- ME 62 (A) (OEC-ME) FINITE ELEMENT METHOD
- ME 62 (B) (OEC-ME) ENERGY CONSERVATION AND MANAGEMENT
- ME 62 (C) (OEC-ME) OR & SUPPLY CHAIN

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VII SEMESTER (IV YEAR)

S.NO.	SUBJECT CODE	CATEGORY	NAME OF SUBJECT	MAXIMUM MARKS ALLOTTED						TOTAL MARKS	CONTACT HOUR PER WEEK			TOTAL CREDITS
				THEORY SLOT			PRACTICAL SLOT				L	T	P	
				END SEM	MID SEM TEST (TWO TEST AVG.)	QUIZ / ASSIGNMENTS	END SEM	TERM WORK						
								LAB WORK & SESSIONAL	ASSIGNMENT / ENT / QUIZ					
1	ME 71	PEC-MEL	ELECTIVE -II	60	30	10	30	10	10	150	2	1	2	4
2	ME 72	OEC-ME	OPEN ELECTIVE-II	60	30	10	-	-	-	100	3	1	0	4
3	ME 73	PCC-ME	MACHINE DESIGN - II	60	30	10	-	-	-	100	3	1	0	4
4	ME 74	PCC-ME	AUTOMATION IN MANUFACTURING	60	30	10	-	-	-	100	3	1	0	4
5	ME 75	PCC-ME	MECHANICAL VIBRATION & CONTROL	60	30	10	30	10	10	150	2	1	2	4
6	ME 76	PROJ-ME	MAJOR PROJECT -I	-	-	-	100	50	50	200	0	0	8	4
TOTAL				300	150	50	160	70	70	800^{\$}/800[#]	13	5	12	24^{\$}/24[#]
L: LECTURE P: PRACTICAL T: TUTORIAL														

ELECTIVE –II (CHOOSE ANY ONE)

ME 71 (A) (PEC-MEL)

ME 71 (B) (PEC-MEL)

ME 71 (C) (PEC-MEL)

REFRIGERATION & AIR CONDITIONING

INDUSTRIAL ENGG.

ROBOTICS

OPEN ELECTIVE-II (CHOOSE ANY ONE)

ME 72 (A)(OEC-ME)

ME 72 (B) (OEC-ME)

ME 72 (C) (OEC-ME)

RENEWABLE ENERGY SYSTEM

NANO TECHNOLOGY

COMPUTER AIDED DESIGN

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VIII SEMESTER (IV YEAR)

S.NO.	SUBJECT CODE	CATEGORY	NAME OF SUBJECT	MAXIMUM MARKS ALLOTTED					TOTAL MARKS	CONTACT HOURPER WEEK			TOTAL CREDITS
				THEORY SLOT			PRACTICAL SLOT			L	T	P	
				END SEM	MID SEM TEST (TWO TEST AVG.)	QUIZ / ASSIGNMENTS	END SEM	TERM WORK					
1	ME 81	PROJ-ME	MAJOR PROJECT-II / INTERNSHIP				600	200	800	-	-	30	15
TOTAL							600	200	800^{\$}/800[#]	-	-	30	15^{\$}/15[#]
				L: LECTURE					P: PRACTICAL		T: TUTORIAL		

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