



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)

BACHELOR OF ENGINEERING (MECHANICAL ENGINEERING)

IIIrd 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 / ASSIGNMENTS	END SEM	TERM WORK						
				LAB WORK & SESSIONAL	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
TOTAL				300	150	50	140	80	80	800	14	4	12	24
7	BE-35	PDFS	PROFESSIONAL DEVELOPMENT FINISHING SCHOOL-LEVEL-I						MANDATORY COURSE (NON CREDIT)					
L: LECTURE P: PRACTICAL T: TUTORIAL														



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BACHELOR OF ENGINEERING (MECHANICAL ENGINEERING)

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 AVG.)	QUIZ / ASSIGNMENTS	END SEM	TERM WORK						
								LAB WORK & SESSIONAL	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
TOTAL				300	150	50	140	80	80	800	14	4	12	24
L: LECTURE P: PRACTICAL T: TUTORIAL														
7	BE 43	MC	ENVIRONMENT SCIENCE							MANDATORY COURSES (NON CREDIT)				
8	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 IVTH SEM. EXAM AND EVALUATED IN VTH 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 / ASSIGNM ENTS	END SEM	TERM WORK						
								LAB WORK & SESSIONAL	ASSIGNME NT / 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
TOTAL				240	120	40	160	120	120	800	15	3	12	24
L: LECTURE P: PRACTICAL T: TUTORIAL														
7	BE 52	MC	ESSENCE OF INDIAN KNOWLEDGE TRADITION						MANDATORY COURSES (NON CREDIT)					
8	BE 53	PDFS	PROFESSIONAL DEVELOPMENT FINISHING SCHOOL-LEVEL-III						MANDATORY COURSE (NON CREDIT)					



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BACHELOR OF ENGINEERING (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
TOTAL				300	150	50	140	80	80	800	13	5	12	24
7	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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BACHELOR OF ENGINEERING (MECHANICAL ENGINEERING)

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 / ASSIGNM ENTS	END SEM	TERM WORK						
								LAB WORK & SESSIONA L	ASSIGNM 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	13	5	12	24
L: LECTURE P: PRACTICAL T: TUTORIAL														

ELECTIVE -II (CHOOSE ANY ONE)

- ME 71 (A) (PEC-MEL) REFRIGERATION & AIR CONDITIONING
- ME 71 (B) (PEC-MEL) INDUSTRIAL ENGG.
- ME 71 (C) (PEC-MEL) ROBOTICS

OPEN ELECTIVE-II (CHOOSE ANY ONE)

- ME 72 (A)(OEC-ME) RENEWABLE ENERGY SYSTEM
- ME 72 (B) (OEC-ME) NANO TECHNOLOGY
- ME 72 (C) (OEC-ME) 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 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					
1	ME 81	PROJ-ME	MAJOR PROJECT-II / INTERNSHIP				600	200	800	-	-	30	15
TOTAL							600	200	800	-	-	30	15
L: LECTURE				P: PRACTICAL				T: TUTORIAL					