

### Semester 3

S. No.	Category	Course Code	Course Title	Hours per week			Credits	Marks for Sessional	Marks for End Term Examination	Total
				L	T	P				
1	BSC		Mathematics-III	3	0	0	3	30	70	100
2	PCC		Fluid Mechanics	3	0	0	3	30	70	100
3	HSMC		Thermodynamics	3	0	0	3	30	70	100
4	PCC		Industrial Automation	3	0	0	3	30	70	100
5	PCC		Production Process-I	3	0	0	3	30	70	100
6	PCC		Strength of Materials	3	0	0	3	30	70	100
7	LC		Fluid Mechanics Lab	0	0	2	1	50	50	100
8	LC		Thermodynamics Lab	0	0	2	1	50	50	100
9	LC		Strength of Materials Lab	0	0	2	1	50	50	100
10	MC		<b>Constitution of India*</b>	0	0	2	0	30	70	100*
<b>Total</b>							<b>21</b>			<b>900</b>

**\*Constitution of India : Non-credit mandatory course, students have to attain pass marks (40%)**

**NOTE:** The examination of the regular students will be conducted by the concerned college/Institute internally. Each student will be required to score a minimum of 40% marks to qualify in the paper. The marks will not be included in determining the percentage of marks obtained for the award of a degree. However, these marks will be shown in the detailed marks certificate of the students.

## Semester 4

S. No	Category	Course Code	Course Title	Hours per week			Credits	Marks for Sessional	Marks for End Term Examination	Total
				L	T	P				
1	HSMC		Applied Thermodynamics	3	1	0	3	30	70	100
2	PCC		Machine Tools and Machining	3	1	0	3	30	70	100
3	PCC		Kinematics of Machine	3	1	0	3	30	70	100
4	PCC		Instrumentation and Control	3	1	0	3	30	70	100
5	PCC		Production Process-II	3	1	0	3	30	70	100
6	PCC		Computer Aided Design and Manufacturing	3	1	0	3	30	70	100
7	LC		Instrumentation and Control Lab	0	0	2	1	50	50	100
9	LC		Kinematics of Machine Lab	0	0	2	1	50	50	100
10	LC		Computer Aided Design and Manufacturing Lab	0	0	2	1	50	50	100
11	MC		Scientific and Technical writing Skills	0	0	2	0	30	70	100*
			<b>Total</b>				<b>21</b>			<b>1000</b>

**NOTE: Scientific and Technical writing Skills:** The examination of the regular students will be conducted by the concerned college/Institute internally. Each student will be required to score a minimum of 40% marks to qualify in the paper. The marks will not be included in determining the percentage of marks obtained for the award of a degree. At the end of 4th semester each student has to undergo Practical Training of 4/6 weeks in an Industry/Institute/ Professional Organization/Research Laboratory/ training centre etc. and submit typed report along with a certificate from the organization and its evaluation shall be carried out in the 5th Semester.