



**UTTARAKHAND BOARD OF TECHNICAL EDUCATION**  
**JOINT ENTRANCE EXAMINATION AND TRAINING, RESEARCH DEVELOPMENT CELL, DEHRADUN**  
**STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME**

**BRANCH NAME – MECHANICAL ENGINEERING (PRODUCTION)**

**SEMESTER – IV**

Subject Code	Subject	L	T	P	T O T	EVALUATION SCHEME						Total Marks	Credit Point
						Internal		External					
		Period/Weeks		Theory	Practical	Theory		Practical					
		Max Marks	Max Marks	Max Marks	Hrs.	Max Marks	Hrs.						
144006	Strength of Materials*	4	-	3	7	30	20	80	2.5	25	3.0	155	4
144004	Metrology, Instrumentation & Control*	4	-	4	8	30	20	80	2.5	25	3.0	155	4
144005	Production Technology*	4	-	6	10	30	20	80	2.5	45	3.0	175	6
144003	Hydraulics and Hydraulics Machines**	4	-	3	7	30	20	80	2.5	25	3.0	155	5
144001	Applied Thermal Engineering**	4	-	2	6	30	20	80	2.5	25	3.0	155	5
144002	Automobile Engineering**	4	-	2	6	30	20	80	2.5	25	3.0	155	4
334052	Industrial exposure (Assessment at Institute level)	-	-	-	-	-	25	-	-	-	-	25	1
014054	General Proficiency	-	-	4	4	-	25	-	-	-	-	25	1
334053	Industrial Training	Industrial Training of 30 days done after 4th Semester will be evaluated in 5th Semester through Report and Viva-voce.										-	
<b>Total</b>		<b>24</b>	<b>-</b>	<b>24</b>	<b>48</b>	<b>180</b>	<b>170</b>	<b>480</b>	<b>-</b>	<b>170</b>	<b>-</b>	<b>1000</b>	<b>30</b>

\* Common with diploma course in 4thSem Mechanical Engg., Production Engg., Mech(auto.),Automobile.

\*\* Common with diploma course in 4th Sem Mechanical Engg, Production Engg.

# General Proficiency will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, NCC, NSS,cultural activities and discipline etc.

+ Industrial visit compulsory at minimum 2 industry or department.

**Note:** 1- Each period will be 50 minutes. 2- Eachsession will be of 16weeks. 3- Effectiveteaching will be at least 12.5 week

**Branch Code - 33**