

# STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN CIVIL ENGINEERING (UTTARAKHAND)

**FIRST SEMESTER** wef 2006-07

Sr. No	Subject	L	T	P	EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theory	Practical	Written Paper		Practical		
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
1.1	English and Communication Skills –I *	3	-	2	25	25	100	3	50	2	200
1.2	Applied Mathematics-I*	5	-	-	50	-	100	3	-	-	150
1.3	Applied Physics – I *	4	-	2	25	25	100	3	50	3	200
1.4	Applied Chemistry – I *	2	-	2	25	25	100	3	50	3	200
1.5	Basics of Information Technology *	-	-	4	-	50	-	-	100	3	150
1.6	Engineering Drawing-I *	-	-	6	-	50	100	4	25 <sup>+</sup>	-	175
1.7	General Workshop Practice – I *	-	-	6	-	50	-	-	100+25 <sup>+</sup>	4	175
Student Centred Activities #		-	-	4	-	30	-	-	-	-	30
Discipline		-	-	-	-	20	-	-	-	-	20
<b>Total</b>		<b>14</b>	<b>-</b>	<b>26</b>	<b>125</b>	<b>275</b>	<b>500</b>	<b>-</b>	<b>400</b>	<b>-</b>	<b>1300</b>

<sup>+</sup> 25 marks for comprehensive viva by external examiner during or immediately after the examination. The students will show all the drawing sheets/jobs prepared during the semester at the time of viva voce examination of Engineering Drawing/Workshop Practice

\* Common with other diploma programmes

# Student Centred Activities will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, field visits, NCC, NSS and cultural activities etc.

**SECOND SEMESTER (CIVIL ENGINEERING) wef 2006-07**

Sr. No	Subject	L T P Hrs/week			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theory	Practical	Written Paper		Practical		
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
2.1	English and Communication Skills –II *	3	-	2	25	25	100	3	50	2	200
2.2	Applied Mathematics-II *	5	-	-	50	-	100	3	-	-	150
2.3	Applied Physics – II *	4	-	2	25	25	100	3	50	3	200
2.4	Applied Chemistry – II *	2	-	2	25	25	100	3	50	3	200
2.5	Applied Mechanics *	3	-	2	25	25	100	3	50	-	200
2.6	Engineering Drawing – II *	-	-	6	-	50	100	4	25 <sup>+</sup>	-	175
2.7	General Workshop Practice-II *	-	-	6	-	50	-	-	100+ 25 <sup>+</sup>	4	175
Student Centred Activities #		-	-	3	-	30	-	-	-	-	30
Discipline		-	-	-	-	20	-	-	-	-	20
<b>Total</b>		<b>17</b>	<b>-</b>	<b>23</b>	<b>150</b>	<b>250</b>	<b>600</b>	<b>-</b>	<b>350</b>	<b>-</b>	<b>1350</b>

<sup>+</sup> 25 marks for comprehensive viva by external examiner during or immediately after the examination. The students will show all the drawing sheets/jobs prepared during the semester at the time of viva voce examination of Engineering Drawing/Workshop Practice.

\* Common with other diploma programmes

# Student Centred Activities will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, field visits, NCC, NSS and cultural activities etc.

**THIRD SEMESTER (CIVIL ENGINEERING) wef 2007-08**

Sr. No	Subject	L	T	P	EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theory	Practical	Written Paper		Practical		
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
3.1	Hydraulics	3	-	2	25	25	100	3	50	3	200
3.2*	General Engineering	4	-	2	25	25	100	3	50	3	200
3.3	Surveying - I	2	-	6	25	25	100	3	100	3	200
3.4	Construction Material	4	-	2	25	25	100	3	50	3	200
3.5	Building Construction	5	-	2	25	25	100	3	50	3	200
3.6	Building Drawing	-	-	4	-	50	100	3	-	-	150
# Student Centred Activities including Ecology and Environmental Awareness Camp		-	-	4	-	30	-	-	-	-	30
Discipline		-	-	-	-	20	-	-	-	-	20
<b>Total</b>		<b>18</b>	<b>-</b>	<b>22</b>	<b>125</b>	<b>225</b>	<b>600</b>		<b>250</b>		<b>1200</b>

\* Common with other diploma programmes

**FOURTH SEMESTER (CIVIL ENGINEERING) wef 2007-08**

Sr. No	Subject	L T P Hrs/week			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theory	Practical	Written Paper		Practical		
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
4.1	Concrete Technology	3	-	2	25	25	100	3	50	3	200
4.2	Water Supply and Waste Water Engineering	5	-	2	25	25	100	4	50	3	200
4.3	Soil and Foundation Engineering	4	-	2	25	25	100	3	50	3	200
4.4	Surveying – II	2	-	6	25	50	100	3	100	3	275
4.5	Strength of Materials	4	-	2	25	25	100	3	50	3	200
4.6	Public Health Engineering Drawing	-	-	4	-	50	100	3	-	-	150
# Student Centred Activities including Entrepreneurial Awareness Camp		-	-	4	-	30	-	-	-	-	30
Discipline		-	-	-	-	20	-	-	-	-	20
<b>Total</b>		<b>18</b>	<b>-</b>	<b>22</b>	<b>125</b>	<b>225</b>	<b>600</b>		<b>250</b>		<b>1200</b>

**Note: Survey camp will be held after 4<sup>th</sup> semester or at the beginning of 5<sup>th</sup> semester for minimum 10 days in a hilly area.**

**- Practical Training of 4-6 weeks duration after fourth semester**

**FIFTH SEMESTER (CIVIL ENGINEERING)** wef 2008-09

Sr. No	Subject	L	T	P	EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theory	Practical	Written Paper		Practical		
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
5.1	RCC Design and Drawing	5	-	2	25	25	150* (100+50)	4	-	-	200
5.2	Highway and Airport Engineering	4	-	2	25	25	100	3	50	2	200
5.3	Survey Camp	-	-	-	-	50	-	-	100	4	150
5.4	Computer Applications in Civil Engineering - I	-	-	4	-	50	-	-	100	3	150
5.5	Railways, Bridges and Tunnels	4	-	-	50	-	100	3	-	-	150
5.6	Irrigation Engineering and Drawing	4	-	2	25	25	150+ (100+50)	4	-	-	200
5.7	Quantity Surveying and valuation	5	-	-	50	-	100	3	-	-	150
5.8	Minor Project Work	-	-	4	-	100	-	-	100	-	200
# Student Centred Activities (including Generic Skill Development Camp-I)		-	-	4	-	30	-	-	-	-	30
Discipline		-	-	-	-	20	-	-	-	-	20
<b>Total</b>		<b>22</b>	<b>-</b>	<b>18</b>	<b>175</b>	<b>325</b>	<b>600</b>		<b>350</b>		<b>1450</b>

+ **100 marks for theory examination and 50 marks for drawing**

**SIXTH SEMESTER (CIVIL ENGINEERING) wef 2008-09**

Sr. No	Subject	L	T	P	EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theory	Practical	Written Paper		Practical		
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
6.1	Steel Structure, Timber and Masonry Design and Drawing	5	-	2	25	25	150* (100+50)	4	-	-	200
6.2	Earthquake Resistant Building Construction	4	-	-	50	-	100	3	-	-	150
6.3	Computer Applications in Civil Engineering – II	-	-	4	-	50	-	-	100	3	150
6.4	Construction Management & Accounts	5	-	-	50	-	100	3	-	-	150
6.5*	Entrepreneurship Development and Management	3	-	-	50	-	100	3	-	-	150
6.6	Elective	3	-	-	50	-	100	3	-	-	150
6.7	Major Project Work	-	-	10	-	100	-	-	200	3	300
# Student Centred Activities (including Generic Skill Development Camp-II)		-	-	4	-	30	-	-	-	-	30
Discipline		-	-	-	-	20	-	-	-	-	20
<b>Total</b>		<b>20</b>	<b>-</b>	<b>20</b>	<b>225</b>	<b>225</b>	<b>550</b>		<b>300</b>		<b>1300</b>

\* **100 marks for theory examination and 50 marks for drawing**

**List of Electives (Any one of the following) :**

**6.6.1 Repair & Maintenance of Buildings**

**6.6.2 Environmental Engineering**

**6.6.3 Rural Construction Technology**

**6.6.4 Pre-Stressed Concrete**