

## 7. Study and Evaluation Scheme for Diploma Programme In Computer Engineering (For the State of Haryana)

### FIRST SEMESTER(Computer Engineering)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
1.1.*	Communication Skills – I	3	-	2	25	25	100	3	50	2	200
1.2.*	Applied Mathematics-I	4	1	-	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	3	25 (Viva)	2	175
1.7.*	General Workshop Practice-I	-	-	6	-	50	-	-	+100	3	150
# Student Centred Activities		-	-	4	-	25	-	-	-	-	25
<b>Total</b>		<b>13</b>	<b>1</b>	<b>26</b>	<b>125</b>	<b>250</b>	<b>500</b>	<b>-</b>	<b>375</b>	<b>-</b>	<b>1250</b>

\* Common with other diploma programmes

\*\* Common with diploma programmes in ECE, Information Technology, Instrumentation and Control

+ Includes 25 marks for Viva-voce

++ Common with diploma programmes in Information Technology

# 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 (Computer Engineering)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
2.1*	Communication Skills –II	3	-	2	25	25	100	3	50	2	200
2.2*	Applied Mathematics-II	4	1	-	50	-	100	3	-	-	150
2.3*	Applied Physics-II	3	-	2	25	25	100	3	50	3	200
2.4*	Applied Chemistry-II	2	-	2	25	25	100	3	50	3	200
2.5.**	Basic Electrical Engineering	3	-	2	25	25	100	3	50	3	200
2.6**	Analog Electronics-I	4	-	2	25	25	100	3	50	3	200
2.7++	Programming in C	2	-	4	25	25	100	3	50	3	200
	# Student Centred Activities including Ecology and Environmental Awareness Camp	-	-	4	-	25	-	-	-	-	25
	<b>Total</b>	<b>21</b>	<b>1</b>	<b>18</b>	<b>200</b>	<b>175</b>	<b>700</b>	<b>-</b>	<b>300</b>	<b>-</b>	<b>1375</b>

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# 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(Computer Engineering)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
3.1++	Operating Systems	3	-	3	25	25	100	3	50	3	200
3.2++	Digital Electronics - I	4	-	3	25	25	100	3	50	3	200
3.3++	Data Structure using C	3	-	6	25	25	100	3	50	3	200
3.4	Microprocessors - I	3	-	3	25	25	100	3	50	-	200
3.5++	Data Communication	3	-	-	50	-	100	3	-	3	150
3.6++	Computer Workshop	-	-	3	-	25	-	-	100	-	125
	# Student Centred Activities	-	-	6	-	25	-	-	-	-	25
	<b>Total</b>	<b>16</b>	<b>-</b>	<b>24</b>	<b>150</b>	<b>150</b>	<b>500</b>	<b>-</b>	<b>300</b>	<b>-</b>	<b>1100</b>

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# 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.

#### FOURTH SEMESTER (Computer Engineering)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
4.1++	Object Oriented Programming using C++	3	-	6	25	25	100	3	50	3	200
4.2++	Windows and Linux Operating System	2	-	6	25	25	100	3	50	3	200
4.3++	Relational Database Management System (RDBMS)	2	-	4	25	25	100	3	50	3	200
4.4++	Multimedia Applications	2	-	3	25	25	100	3	50	3	200
4.5++	Computer Organisation	3	-	-	50	-	100	3	-	-	150
4.6	Computer Peripherals and Interfacing	3	-	3	25	25	100	3	50	-	200
# Student Centred Activities including Entrepreneurial Awareness Camp		-	-	3	-	25	-	-	-	-	25
<b>Total</b>		<b>15</b>	<b>-</b>	<b>25</b>	<b>175</b>	<b>150</b>	<b>600</b>	<b>-</b>	<b>250</b>	<b>-</b>	<b>1175</b>

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# 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.

## FIFTH SEMESTER (Computer Engineering)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
5.1++	Computer Networks	3	-	3	25	25	100	3	50	3	200
5.2++	Visual Basic	3	-	6	25	25	100	3	50	3	200
5.3++	Elective-I	3	-	6	25	25	100	3	50	3	200
5.4	Internet and Web Designing	3	-	4	25	25	100	3	50	3	200
5.5++	Software Engineering	3	-	-	25	-	100	3	-	3	125
5.6	Minor Project Work	-	-	3	-	100	-	-	100	-	200
	# Student Centred Activities	-	-	3	-	25	-	-	-	-	25
	<b>Total</b>	<b>15</b>	<b>-</b>	<b>25</b>	<b>125</b>	<b>225</b>	<b>500</b>	<b>-</b>	<b>300</b>	<b>-</b>	<b>1150</b>

**Elective – I :** To Choose one from the following  
a) Oracle; b) SQL Sever

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## SIXTH SEMESTER ( Computer Engineering)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
6.1	Troubleshooting of Computer Networks	2	-	3	25	25	50	3	50	3	150
6.2++	Computer Graphics	2	-	3	25	25	100	3	50	3	200
6.3	Microprocessors - II	3	-	3	25	25	100	3	50	3	200
6.4++	Elective-II	3	-	4	25	25	100	3	50	3	200
6.5*	Entrepreneurship Development and Management	3	-	-	25	-	100	3	-	-	125
6.6	Major Project Work	-	-	10	-	100	-	-	100	3	200
	# Student Centred Activities	-	-	4	-	25	-	-	-	-	25
	<b>Total</b>	<b>13</b>	<b>-</b>	<b>27</b>	<b>125</b>	<b>225</b>	<b>450</b>	<b>-</b>	<b>300</b>	<b>-</b>	<b>1100</b>

**Elective – II : To Choose one from the following**

**a) Network Security, b) .Net, c) Visual C++**

\* Common with other Diploma Programmes

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