आईएफटीएम विश्वविद्यालय, मुरादाबाद, उत्तर प्रदेश

IFTM University, Moradabad, Uttar Pradesh

NAAC ACCREDITED

ACADEMIC ORDINANCE
for
DIPLOMA IN ENGINEERING

(Effective from the session 2021-22)

(Amended with CBCS)

&

(Approved by the Academic Council in the Meeting held on September 25, 2021)

IFTM UNIVERSITY

(Established under U.P. Govt. Act No.24 of 2010 and approved under section 22 of UGC Act 1956)

Lodhipur Rajput, Delhi Road, Moradabad- 244102, U.P.

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REGULATIONS

1. Short Title and Commencement

These regulations shall be called as "The Regulations for the Diploma in Engineering Program (CBCS) of the IFTM University, Moradabad", latest revised from the Academic Year 2021-22. The regulations framed are subject to modifications from time to time by IFTM University, Moradabad.

2. Minimum Qualification for Admission

2.1 Admission of Diploma in Engineering First Year

Candidate must have passed 10^{th} examination or equivalent from recognized Board along with science as compulsory subject.

2.2 Admission of Diploma in Engineering Second Year through Lateral Entry Scheme

Candidate must have passed 10+2 examination or equivalent from recognized Board along with Physics, Chemistry and Mathematics as compulsory subjects.

OR

Candidate must have passed full time ITI of two years course from a recognized Board.

Admission in Diploma in Engineering program will be based on Merit/Entrance examination. Only primary mode of evaluation (CGPA or percentage) as mentioned in the qualifying degree certificate/mark sheet will be considered while verifying eligibility. Conversion from CGPA to percentage or vice versa given by individual Institute/University will not be allowed. Foreign National candidates, who apply through Ministry of Human Resource Development, Government of India, are eligible to apply provided that they possess the same minimum qualification.

3. Duration of the program

Total duration of the Diploma in Engineering program shall be 03 years, each year comprising of two semesters. Each semester shall normally have teaching for the 90 working days.

The student admitted to first year Diploma in Engineering shall complete the course within a period of six academic years from the date of first admission, failing which he/she has to discontinue the course. The students admitted under lateral entry scheme (2nd Year Diploma) shall complete the course within a period of five academic years from the date of first admission, failing which he/she has to discontinue the course.

A candidate, who has failed twice in first year due to any reason (either due to his/her non-appearance or he/she being not permitted to appear in semester examinations) shall not be allowed to continue his/her studies further. Provided further that if a student wishes to continue third time in first year he/she may be allowed on the terms and conditions laid down by the University for such Permission but the maximum time allowed for completing the course will remain the same.

4. Curriculum

The three year curriculum has been divided into six semesters and shall include lectures, tutorials, practical's, seminars and projects etc. in addition to industrial training and educational tour etc. as defined in the scheme and executive instructions issued by the University from time to time.

The curriculum will also include such other curricular, co-curricular and extracurricular activities as may be prescribed by the University from time to time.

5. Medium of Instruction and Examinations

Medium of instruction and examination shall be in English/Hindi.

6. Working Days in Each Semester

Each semester shall consist of not less than 90 working days. The odd semesters shall be conducted from the month of June/July to November/December and the even semesters shall be conducted from December/January to May/June in every calendar year.

7. Attendance and Progress

A candidate is required to put in at least 75% attendance to appear in End-Semester/Annual examination. However, the same can be condoned to 15% on medical grounds or for other genuine reasons beyond the control of students.

8. Program/Course credit structure

As per the philosophy of Choice Based Credit System, certain quantum of academic work viz. theory classes, practical classes, project report, internship etc. are measured in terms of credits. On satisfactory completion of the courses, a candidate earns credits. The amount of credit associated with a course is dependent upon the number of hours of instruction per week in that

course. Similarly, the credit associated with any of the other academic, co/extra-curricular activities is dependent upon the quantum of work expected to be put in for each of these activities per week.

9A. Credits and Grade System

(a) All programmes shall have credits associated with them as per their Lecture/Tutorial/Practical (LTP) structure and shall be determined as follows:

- One lecture hour per week per semester shall be assigned one credit.
- One practical hour per week shall be assigned half credit.

However, the credits associated with every programme will be a whole number, i.e., wherever the sum comes out to be in half credit on calculation following the aforesaid process, the half shall be rounded to the next whole number.

(b) The letter grades based upon the overall marks obtained in a subject will be as follows:

S. No.	Marks	Letter Grade	Grade Point
1.	>=90	A+	10
2.	80-89	A	9
3.	70-79	B+	8
4.	60-69	B	7
5.	50-59	C+	6
6.	40-49	C	5
7.	35-39	D	4
8.	30-34	E	2
9.	<30	F	0

'E' & 'F' Grade will be treated as Carry Over Paper.

In addition to the above grades, there shall be two more letter grades 'l' and 'AB' which shall stand for Incomplete and Absent Grades, respectively.

(c) Semester Grade Point Average (SGPA)

The SGPA is a weighted average of the grade points earned by a student in all the papers credited and described his/her academic performance in a semester. If the grade points associated with the letter grades awarded to a student are g_1, g_2, g_3, ... g_k, etc. and the corresponding credits are c_1, c_2, c_3, ... c_k, the SGPA is given by :

$$SGPA=\frac{c_1g_1+c_2g_2+c_3g_3+\ldots\ldots\ldots\ldots c_kg_k}{c_1+c_2+c_3+\ldots\ldots\ldots\ c_k}$$

Where, **k** is the number of papers for which the candidate remains registered during the semester.

(d) Cumulative Grade Point Average (CGPA)

The Cumulative Grade Point Average (CGPA) indicates the overall academic performance of a student in all the papers registered in that particular academic year. It is computed in the same manner as the SGPA, considering all the papers (say, n), and is given by:

$$CGPA = \frac{\sum_{i=1}^{n} c_1 g_1}{\sum_{i=1}^{n} c_1}$$

(e) Final CGPA

It is the weighted average of the CGPA of all years of study.

(f) Percentage equivalence of CGPA/Final CGPA

The conversion of CGPA/Final CGPA to exact percentage of marks does not have perfect rationale. However, its equivalent at best can be arrived at by multiplying by 10.00.

9B. Change of Grade already awarded

Letter Grade ‘E' will be changed into Letter Grade 'D' up to a maximum of 03 papers at the time of promotion to the next academic year provided he/she can be declared to have passed the academic year without any carry over paper, by changing the Grade.

10. Academic work

A regular record of attendance both in Theory and Practical shall be maintained by the teaching staff of respective courses.

11. Course of study

The course of study for Diploma in Engineering shall include Semester-Wise Theory & Sessional. The number of hours to be devoted to each theory, tutorial and practical course in any semester shall not be less than forty (40).

Diploma (Electrical Engineering) I Semester

Theory Papers (Total 5) Ability Enhancement Compulsory Paper (Total 1)
Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	CC-01	DPPH-101	Elementary Physics-I	3	1	0	20	10	30	70	100	4
2.	CC-02	DPMA-101	Elementary Mathematics -I	3	1	0	20	10	30	70	100	4
3.	CC-03	DPCH-101	Elementary Chemistry-I	3	1	0	20	10	30	70	100	4
4.	CC-04	DPME-101 / DPCS-101	Elementary Engineering Mechanics / Computer Fundamentals & Programming in C	3	1	0	20	10	30	70	100	4
5.	CC-05	DPME-102 / DPEE-101	Workshop Technology / Basic Electrical & Electronics Engineering	3	1	0	20	10	30	70	100	4
6.	AECC-01	FEC-101	Fundamentals of English Communication	3	1	0	20	10	30	70	100	4
PRACTICALS/ PROJECT												
7.	CC-06	DPME-151/ DPCS-151	Engineering Drawing Lab / Computer Programming Lab	0	0	2	-	-	30	70	100	1
8.	CC-07	DPPH-151	Physics-I Lab	0	0	2	-	-	30	70	100	1
9.	CC-08	DPCH-151	Chemistry-I Lab	0	0	2	-	-	30	70	100	1
10.	CC-09	DPME-152 / DPEE-151	Workshop Lab / Basic Electrical and Electronics Engineering Lab	0	0	2	-	-	30	70	100	1
11.	SEC-01	DPGP-101	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**18**	**06**	**08**	**-**	**-**	**-**	**-**	**1100**	**29**

Diploma (Electrical Engineering) II Semester

Theory Papers (Total 6) Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	CC-10	DPPH-201	Elementary Physics-II	3	1	0	20	10	30	70	100	4
2.	CC-11	DPMA-201	Elementary Mathematics -II	3	1	0	20	10	30	70	100	4
3.	CC-12	DPCH-201	Elementary Chemistry-II	3	1	0	20	10	30	70	100	4
4.	CC-13	DPME-203	Elementary Mechanical Engineering	3	1	0	20	10	30	70	100	4
5.	CC-14	DPEE-201 / DPME-202	Basic Electrical & Electronics Engineering / Workshop Technology	3	1	0	20	10	30	70	100	4
6.	CC-15	DPME-201 / DPCS-201	Elementary Engineering Mechanics / Computer fundamentals & Programming in C	3	1	0	20	10	30	70	100	4
PRACTICALS/ PROJECT												
7.	CC-16	DPPH-251	Physics-II Lab	0	0	2	-	-	30	70	100	1
8.	CC-17	DPEE-251 / DPME-252	Basic Electrical and Electronics Engineering Lab / Workshop Lab	0	0	2	-	-	30	70	100	1
9.	CC-18	DPCS -251/ DPME-251	Computer Programming Lab / Engineering Drawing Lab	0	0	2	-	-	30	70	100	1
10.	CC-19	DPCH-251	Chemistry – II Lab	0	0	2	-	-	30	70	100	1
11.	SEC-02	DPGP-201	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**18**	**06**	**08**	**-**	**-**	**-**	**-**	**1100**	**29**

Diploma (Electrical Engineering) III Semester

Theory Papers (Total 5) Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	DSC-01	DPEE-301	Elementary Digital Electronics	3	1	0	20	10	30	70	100	4
2.	DSC-02	DPEE-302	Basic Network Systems	3	1	0	20	10	30	70	100	4
3.	DSC-03	DPEE-303	Introduction to Power Electronics	3	1	0	20	10	30	70	100	4
4.	DSC-04	DPEE-304	Electrical Measurements & Measuring Instruments-I	3	1	0	20	10	30	70	100	4
5.	DSC-05	DPEE-305	Transmission & Distribution of Electrical Power	3	1	0	20	10	30	70	100	4
PRACTICALS/ PROJECT												
6.	DSC-06	DPEE-351	Digital Electronics Lab	0	0	2	-	-	30	70	100	1
7.	DSC-07	DPEE-352	Network Systems Lab	0	0	2	-	-	30	70	100	1
8.	DSC-08	DPEE-353	Power Electronics Lab	0	0	2	-	-	30	70	100	1
9.	DSC-09	DPEE-354	Electrical Measurement-I Lab	0	0	2	-	-	30	70	100	1
10.	SEC-03	DPGP-301	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**15**	**05**	**08**	**-**	**-**	**-**	**-**	**1000**	**25**

Diploma (Electrical Engineering) IV Semester

Theory Papers (Total 5) Ability Enhancement Compulsory Paper (Total 1)
Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	DSC-10	DPEE-401	Electrical Machine-I	3	1	0	20	10	30	70	100	4
2.	DSC-11	DPEE-402	Electrical Design Drawing & Estimating-I	3	1	0	20	10	30	70	100	4
3.	DSC-12	DPEE-403	Introduction to Microprocessors	3	1	0	20	10	30	70	100	4
4.	DSC-13	DPEE-404	Electrical Measurements & Measuring Instruments-II	3	1	0	20	10	30	70	100	4
5.	DSC-14	DPEE-405	Industrial Electronics & Control	3	1	0	20	10	30	70	100	4
PRACTICALS/ PROJECT												
6.	DSC-15	DPEE-451	Electrical Machine-I Lab	0	0	2	-	-	30	70	100	1
7.	DSC-16	DPEE-452	Electrical Design Drawing & Estimating-I Lab	0	0	2	-	-	30	70	100	1
8.	DSC-17	DPEE-453	Microprocessor Lab	0	0	2	-	-	30	70	100	1
9.	DSC-18	DPEE-454	Electrical Measurement-II Lab	0	0	2	-	-	30	70	100	1
10.	SEC-04	DPGP-401	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**18**	**06**	**08**	**-**	**-**	**-**	**-**	**1000**	**25**

Ability Enhancement Compulsory Course

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
1.	AECC-02	PSC-401	Professional Communication	3	1	0	20	10	30	70	100	0

Diploma (Electrical Engineering) V Semester

Theory Papers (Total 5) Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	DSC-19	DPEE-501	Electrical Machine-II	3	1	0	20	10	30	70	100	4
2.	DSC-20	DPEE-502	Electrical Design Drawing Estimation-II	3	1	0	20	10	30	70	100	4
3.	DSC-21	DPEE-503	Utilization of Electrical Energy	3	1	0	20	10	30	70	100	4
Departmental Elective (Select any one)												
4.	DSE-01	DPEE-504	Fundamentals of High Voltage Engineering	3	1	0	20	10	30	70	100	4
	DSE-02	DPEE-505	Control of Electrical Machines									
Open Elective (Select any one)												
5.	DOE-01	DOEC-051	Industrial Management & Entrepreneurship Development	3	1	0	20	10	30	70	100	4
	DOE-02	DOCE-051	Disaster Management									
	DOE-03	NCC-01	NCC General	-	-	-	-	-	-	-	-	
PRACTICALS/ PROJECT												
6.	DSC-22	DPEE-551	Electrical Machine-II Lab	0	0	2	-	-	30	70	100	1
7.	DSC-23	DPEE-552	Electrical Design Drawing & Estimation-II Lab	0	0	2	-	-	30	70	100	1
8.	SEC-05	DPEE-553	Industrial Training	0	0	2	-	-	100	-	100	1
9.	SEC-06	DPEE-554	Seminar	0	0	2	-	-	100	-	100	1
10.	SEC-07	DPGP-501	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**15**	**05**	**08**	**-**	**-**	**-**	**-**	**1000**	**25**

Diploma (Electrical Engineering) VI Semester

Theory Papers (Total 5) Practical Paper (Total 3)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	DSC-24	DPEE-601	Installation, Maintenance and Repair of Electrical Machines	3	1	0	20	10	30	70	100	4
2.	DSC-25	DPEE-602	Switch Gear and Protection	3	1	0	20	10	30	70	100	4
3.	DSC-26	DPEE-603	Power Plant Engineering	3	1	0	20	10	30	70	100	4
Departmental Elective (Select any one)												
4.	DSE-03	DPEE-604	Electric Traction	3	1	0	20	10	30	70	100	4
	DSE-04	DPEE-605	Process Control & Instrumentation									
Open Elective (Select any one)												
5.	DOE-03	DOME-061	Total Quality Management	3	1	0	20	10	30	70	100	4
	DOE-04	DOEE-061	Non-Conventional Energy Resources									
PRACTICALS/ PROJECT												
6.	DSC-27	DPEE-651	Installation, Maintenance and Repair of Electrical Machines Lab	0	0	2	-	-	30	70	100	1
7.	DSC-28	DPEE-652	Power System Lab	0	0	2	-	-	30	70	100	1
8.	SEC-08	DPEE-653	Project	0	0	8	-	-	60	140	200	4
9.	SEC-09	DPGP-601	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**15**	**05**	**12**	**-**	**-**	**-**	**-**	**1000**	**27**

Diploma (Electronics & Communication Engineering) I Semester

Theory Papers (Total 5) Ability Enhancement Compulsory Paper (Total 1)
Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	CC-01	DPPH-101	Elementary Physics-I	3	1	0	20	10	30	70	100	4
2.	CC-02	DPMA-101	Elementary Mathematics -I	3	1	0	20	10	30	70	100	4
3.	CC-03	DPCH-101	Elementary Chemistry-I	3	1	0	20	10	30	70	100	4
4.	CC-04	DPME-101 / DPCS-101	Elementary Engineering Mechanics / Computer Fundamentals & Programming in C	3	1	0	20	10	30	70	100	4
5.	CC-05	DPME-102 / DPEE-101	Workshop Technology / Basic Electrical & Electronics Engineering	3	1	0	20	10	30	70	100	4
6.	AECC-01	FEC-101	Fundamentals of English Communication	3	1	0	20	10	30	70	100	4
PRACTICALS/ PROJECT												
7.	CC-06	DPME-151/ DPCS-151	Engineering Drawing Lab / Computer Programming Lab	0	0	2	-	-	30	70	100	1
8.	CC-07	DPPH-151	Physics-I Lab	0	0	2	-	-	30	70	100	1
9.	CC-08	DPCH-151	Chemistry-I Lab	0	0	2	-	-	30	70	100	1
10.	CC-09	DPME-152 / DPEE-151	Workshop Lab / Basic Electrical and Electronics Engineering Lab	0	0	2	-	-	30	70	100	1
11.	SEC-01	DPGP-101	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**18**	**06**	**08**	**-**	**-**	**-**	**-**	**1100**	**29**

Diploma (Electronics & Communication Engineering) II Semester

Theory Papers (Total 6) Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	CC-10	DPPH-201	Elementary Physics-II	3	1	0	20	10	30	70	100	4
2.	CC-11	DPMA-201	Elementary Mathematics -II	3	1	0	20	10	30	70	100	4
3.	CC-12	DPCH-201	Elementary Chemistry-II	3	1	0	20	10	30	70	100	4
4.	CC-13	DPME-203	Elementary Mechanical Engineering	3	1	0	20	10	30	70	100	4
5.	CC-14	DPEE-201 / DPME-202	Basic Electrical & Electronics Engineering / Workshop Technology	3	1	0	20	10	30	70	100	4
6.	CC-15	DPME-201 / DPCS-201	Elementary Engineering Mechanics / Computer fundamentals & Programming in C	3	1	0	20	10	30	70	100	4
PRACTICALS/ PROJECT												
7.	CC-16	DPPH-251	Physics-II Lab	0	0	2	-	-	30	70	100	1
8.	CC-17	DPEE-251 / DPME-252	Basic Electrical and Electronics Engineering Lab / Workshop Lab	0	0	2	-	-	30	70	100	1
9.	CC-18	DPCS -251/ DPME-251	Computer Programming Lab / Engineering Drawing Lab	0	0	2	-	-	30	70	100	1
10.	CC-19	DPCH-251	Chemistry – II Lab	0	0	2	-	-	30	70	100	1
11.	SEC-02	DPGP-201	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**18**	**06**	**08**	**-**	**-**	**-**	**-**	**1100**	**29**

Diploma (Electronics & Communication Engineering) III Semester

Theory Papers (Total 5) Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	DSC-01	DPEC -301	Fundamentals of Electronic Instrumentation & Measurement	3	1	0	20	10	30	70	100	4
2.	DSC-02	DPEC -302	Electronic Devices and Circuits-I	3	1	0	20	10	30	70	100	4
3.	DSC-03	DPEC -303	Basic Network System	3	1	0	20	10	30	70	100	4
4.	DSC-04	DPEC -304	Fundamentals of Communication Engineering	3	1	0	20	10	30	70	100	4
5.	DSC-05	DPEC -305	Principles of Digital Electronics	3	1	0	20	10	30	70	100	4
PRACTICALS/ PROJECT												
6.	DSC-06	DPEC -351	Electronics Instrumentation & Measurement Lab	0	0	2	-	-	30	70	100	1
7.	DSC-07	DPEC -352	Network System Lab	0	0	2	-	-	30	70	100	1
8.	DSC-08	DPEC -353	Communication Lab-I	0	0	2	-	-	30	70	100	1
9.	DSC-09	DPEC -354	Digital Lab	0	0	2	-	-	30	70	100	1
10.	SEC-03	DPGP -301	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**15**	**05**	**08**	**-**	**-**	**-**	**-**	**1000**	**25**

Diploma (Electronics & Communication Engineering) IV Semester

Theory Papers (Total 5) Ability Enhancement Compulsory Paper (Total 1)
Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	DSC-10	DPEC -401	Introduction to Microprocessor	3	1	0	20	10	30	70	100	4
2.	DSC-11	DPEC -402	Introduction to Power Electronics	3	1	0	20	10	30	70	100	4
3.	DSC-12	DPEC -403	Fundamentals of Transducers and Sensors	3	1	0	20	10	30	70	100	4
4.	DSC-13	DPEC -404	Fundamentals of Signals and Systems	3	1	0	20	10	30	70	100	4
5.	DSC-14	DPEC -405	Electronic Devices and Circuits-II	3	1	0	20	10	30	70	100	4
PRACTICALS/ PROJECT												
6.	DSC-15	DPEC -451	Microprocessor Lab	0	0	2	-	-	30	70	100	1
7.	DSC-16	DPEC -452	Power Electronics Lab	0	0	2	-	-	30	70	100	1
8.	DSC-17	DPEC -453	Electronic Devices Lab	0	0	2	-	-	30	70	100	1
9.	DSC-18	DPEC -454	Electronics Workshop & PCB Lab	0	0	2	-	-	30	70	100	1
10.	SEC-04	DPGP -401	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**18**	**06**	**08**	**-**	**-**	**-**	**-**	**1100**	**25**

Ability Enhancement Compulsory Course

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
1.	AECC-02	PSC-401	Professional Communication	3	1	0	20	10	30	70	100	0

Diploma (Electronics & Communication Engineering) V Semester

Theory Papers (Total 5) Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	DSC-19	DPEC -501	Modern Communication System	3	1	0	20	10	30	70	100	4
2.	DSC-20	DPEC -502	Microwave & Radar Engineering	3	1	0	20	10	30	70	100	4
3.	DSC-21	DPEC -503	Biomedical Electronics	3	1	0	20	10	30	70	100	4
Departmental Elective (Select any one)												
4.	DSE-01	DPEC-504	Telemetry & Data Acquisition Systems	3	1	0	20	10	30	70	100	4
	DSE-02	DPEC-505	Process Control & Instrumentation									
Open Elective (Select any one)												
5.	DOE-01	DOEC-051	Industrial Management & Entrepreneurship Development	3	1	0	20	10	30	70	100	4
	DOE-02	DOCE-051	Disaster Management									
	DOE-03	NCC-01	NCC General	-	-	-	-	-	-	-	-	
PRACTICALS/ PROJECT												
6.	DSC-22	DPEC -551	Communication Lab-II	0	0	2	-	-	30	70	100	1
7.	DSC-23	DPEC -552	Microwave Lab	0	0	2	-	-	30	70	100	1
8.	SEC-05	DPEC-553	Industrial Training	0	0	2	-	-	100	-	100	1
9.	SEC-06	DPEC-554	Seminar	0	0	2	-	-	100	-	100	1
10.	SEC-07	DPGP-501	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**15**	**05**	**08**	**-**	**-**	**-**	**-**	**1000**	**25**

Diploma (Electronics & Communication Engineering) VI Semester

Theory Papers (Total 5) Practical Paper (Total 3)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	DSC-24	DPEC -601	Introduction to Data Communication Network	3	1	0	20	10	30	70	100	4
2.	DSC-25	DPEC -602	Fundamentals of Control System	3	1	0	20	10	30	70	100	4
3.	DSC-26	DPEC -603	Introduction to Optical Fiber Communication	3	1	0	20	10	30	70	100	4
Departmental Elective (Select any one)												
4.	DSE-03	DPEC-604	Modern Consumer Electronics Appliances	3	1	0	20	10	30	70	100	4
	DSE-04	DPEC-605	Electronics Equipment Testing									
Open Elective (Select any one)												
5.	DOE-04	DOME-061	Total Quality Management	3	1	0	20	10	30	70	100	4
	DOE-05	DOEE-061	Non-Conventional Energy Resources									
PRACTICALS/ PROJECT												
6.	DSC-27	DPEC -651	Control System Lab	0	0	2	-	-	30	70	100	1
7.	DSC-28	DPEC -652	Optical Fiber Communication Lab	0	0	2	-	-	30	70	100	1
8.	SEC-08	DPEC -653	Project	0	0	8	-	-	60	140	200	4
9.	SEC-09	DPGP-601	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**15**	**05**	**12**	**-**	**-**	**-**	**-**	**1000**	**27**

Diploma (Mechanical Engineering) I Semester

Theory Papers (Total 5) Ability Enhancement Compulsory Paper (Total 1)
Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	CC-01	DPPH-101	Elementary Physics-I	3	1	0	20	10	30	70	100	4
2.	CC-02	DPMA-101	Elementary Mathematics -I	3	1	0	20	10	30	70	100	4
3.	CC-03	DPCH-101	Elementary Chemistry-I	3	1	0	20	10	30	70	100	4
4.	CC-04	DPME-101 / DPCS-101	Elementary Engineering Mechanics / Computer Fundamentals & Programming in C	3	1	0	20	10	30	70	100	4
5.	CC-05	DPME-102 / DPEE-101	Workshop Technology / Basic Electrical & Electronics Engineering	3	1	0	20	10	30	70	100	4
6.	AECC-01	FEC-101	Fundamentals of English Communication	3	1	0	20	10	30	70	100	4
PRACTICALS/ PROJECT												
7.	CC-06	DPME-151/ DPCS-151	Engineering Drawing Lab / Computer Programming Lab	0	0	2	-	-	30	70	100	1
8.	CC-07	DPPH-151	Physics-I Lab	0	0	2	-	-	30	70	100	1
9.	CC-08	DPCH-151	Chemistry-I Lab	0	0	2	-	-	30	70	100	1
10.	CC-09	DPME-152 / DPEE-151	Workshop Lab / Basic Electrical and Electronics Engineering Lab	0	0	2	-	-	30	70	100	1
11.	SEC-01	DPGP-101	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**18**	**06**	**08**	**-**	**-**	**-**	**-**	**1100**	**29**

Diploma (Mechanical Engineering) II Semester

Theory Papers (Total 6) Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	CC-10	DPPH-201	Elementary Physics-II	3	1	0	20	10	30	70	100	4
2.	CC-11	DPMA-201	Elementary Mathematics -II	3	1	0	20	10	30	70	100	4
3.	CC-12	DPCH-201	Elementary Chemistry-II	3	1	0	20	10	30	70	100	4
4.	CC-13	DPME-203	Elementary Mechanical Engineering	3	1	0	20	10	30	70	100	4
5.	CC-14	DPEE-201 / DPME-202	Basic Electrical & Electronics Engineering / Workshop Technology	3	1	0	20	10	30	70	100	4
6.	CC-15	DPME-201 / DPCS-201	Elementary Engineering Mechanics / Computer fundamentals & Programming in C	3	1	0	20	10	30	70	100	4
PRACTICALS/ PROJECT												
7.	CC-16	DPPH-251	Physics-II Lab	0	0	2	-	-	30	70	100	1
8.	CC-17	DPEE-251 / DPME-252	Basic Electrical and Electronics Engineering Lab / Workshop Lab	0	0	2	-	-	30	70	100	1
9.	CC-18	DPCS -251/ DPME-251	Computer Programming Lab / Engineering Drawing Lab	0	0	2	-	-	30	70	100	1
10.	CC-19	DPCH-251	Chemistry – II Lab	0	0	2	-	-	30	70	100	1
11.	SEC-02	DPGP-201	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**18**	**06**	**08**	**-**	**-**	**-**	**-**	**1100**	**29**

Diploma (Mechanical Engineering) III Semester

Theory Papers (Total 5) Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	DSC-01	DPME -301	Material Science & Engineering	3	1	0	20	10	30	70	100	4
2.	DSC-02	DPME -302	Introductory Strength of Materials	3	1	0	20	10	30	70	100	4
3.	DSC-03	DPME -303	Manufacturing Science -I	3	1	0	20	10	30	70	100	4
4.	DSC-04	DPME -304	Thermal Engineering	3	1	0	20	10	30	70	100	4
5.	DSC-05	DPME -305	Introductory Machine Design	3	1	0	20	10	30	70	100	4
PRACTICALS/ PROJECT												
6.	DSC-06	DPME -351	Material Science Lab	0	0	2	20	10	30	70	100	1
7.	DSC-07	DPME -353	Manufacturing Science –I Lab	0	0	2	20	10	30	70	100	1
8.	DSC-08	DPME -354	Thermodynamics Lab	0	0	2	20	10	30	70	100	1
9.	DSC-09	DPME -355	Machine Design Lab	0	0	2	20	10	30	70	100	1
10.	SEC-03	DPGP -301	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**15**	**5**	**08**	**-**	**-**	**-**	**-**	**1000**	**25**

Diploma (Mechanical Engineering) IV Semester

Theory Papers (Total 5) Ability Enhancement Compulsory Paper (Total 1)
Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	DSC-10	DPME -401	Introductory Fluid Mechanics	3	1	0	20	10	30	70	100	4
2.	DSC-11	DPME -402	Manufacturing Science -II	3	1	0	20	10	30	70	100	4
3.	DSC-12	DPME -403	Environmental Education	3	1	0	20	10	30	70	100	4
4.	DSC-13	DPME -404	Mechanical Measurement & Metrology	3	1	0	20	10	30	70	100	4
5.	DSC-14	DPME -405	Concepts of Production Planning & Control	3	1	0	20	10	30	70	100	4
PRACTICALS/ PROJECT												
7.	DSC-15	DPME -451	Fluid Mechanics Lab	0	0	2	20	10	30	70	100	1
8.	DSC-16	DPME -452	Manufacturing Science –II Lab	0	0	2	20	10	30	70	100	1
9.	DSC-17	DPME -453	Machine Drawing Lab	0	0	2	20	10	30	70	100	1
10.	DSC-18	DPME -454	Measurement & Metrology Lab	0	0	2	20	10	30	70	100	1
11.	SEC-04	DPGP -401	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**15**	**05**	**08**	**-**	**-**	**-**	**-**	**1100**	**25**

Ability Enhancement Compulsory Course

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
1.	AECC-02	PSC-401	Professional Communication	3	1	0	20	10	30	70	100	0

Diploma (Mechanical Engineering) V Semester

Theory Papers (Total 5) Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	DSC-19	DPME -501	Refrigeration	3	1	0	20	10	30	70	100	4
2.	DSC-20	DPME -502	Introduction to Theory of Machines	3	1	0	20	10	30	70	100	4
3.	DSC-21	DPME -503	Industrial Engineering & Safety	3	1	0	20	10	30	70	100	4
Departmental Elective (Select any one)												
4.	DSE-01	DPME -504	Air Conditioning	3	1	0	20	10	30	70	100	4
	DSE-02	DPME -505	Machine Tool Technology & Maintenance									
Open Elective (Select any one)												
5.	DOE-01	DOEC-051	Industrial Management & Entrepreneurship Development	3	1	0	20	10	30	70	100	4
	DOE-02	DOCE-051	Disaster Management									
	DOE-03	NCC01	NCC General	-	-	-	-	-	-	-	-	4
PRACTICALS/ PROJECT												
6.	DSC-22	DPME -551	Basic Refrigeration & AC Lab	0	0	2	-	-	30	70	100	1
7.	DSC-23	DPME -552	Basic Theory of Machines Lab	0	0	2	-	-	30	70	100	1
8.	SEC-5	DPME -553	Field Exposure	0	0	2	-	-	100	-	100	1
9.	SEC-6	DPME -554	Seminar	0	0	2	-	-	100	-	100	1
10.	SEC-7	DPGP -501	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**15**	**5**	**8**	**-**	**-**	**-**	**-**	**1000**	**25**

Diploma (Mechanical Engineering) VI Semester

Theory Papers (Total 5) Practical Paper (Total 3)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	DSC-24	DPME -601	Introduction to CAD	3	1	0	20	10	30	70	100	4
2.	DSC-25	DPME -602	Automobile Technology	3	1	0	20	10	30	70	100	4
3.	DSC-26	DPME -603	Introduction to Heat Transfer	3	1	0	20	10	30	70	100	4
Departmental Elective (Select any one)												
4.	DSE-03	DPME- 604	Production Automation	3	1	0	20	10	30	70	100	4
	DSE-04	DPME- 605	Introduction to CNC & Computer Graphics									
Open Elective (Select any one)												
5.	DOE-03	DOME-061	Total Quality Management	3	1	0	20	10	30	70	100	4
	DOE-04	DOEE-061	Non-Conventional Energy Resources									
PRACTICALS/ PROJECT												
6.	DSC-29	DPME -651	CAD / CAM Lab	0	0	2	-	-	30	70	100	1
7.	DSC-30	DPME -653	Heat Transfer Lab	0	0	2	-	-	30	70	100	1
8.	SEC-08	DPME -654	Project	0	0	8	-	-	60	140	200	4
9.	SEC-09	DPGP -601	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**15**	**05**	**12**	**-**	**-**	**-**	**-**	**1000**	**27**

Diploma (Civil Engineering) I Semester

Theory Papers (Total 5) Ability Enhancement Compulsory Paper (Total 1)
Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	CC-01	DPPH-101	Elementary Physics-I	3	1	0	20	10	30	70	100	4
2.	CC-02	DPMA-101	Elementary Mathematics -I	3	1	0	20	10	30	70	100	4
3.	CC-03	DPCH-101	Elementary Chemistry-I	3	1	0	20	10	30	70	100	4
4.	CC-04	DPME-101 / DPCS-101	Elementary Engineering Mechanics / Computer Fundamentals & Programming in C	3	1	0	20	10	30	70	100	4
5.	CC-05	DPME-102 / DPEE-101	Workshop Technology / Basic Electrical & Electronics Engineering	3	1	0	20	10	30	70	100	4
6.	AECC-01	FEC-101	Fundamentals of English Communication	3	1	0	20	10	30	70	100	4
PRACTICALS/ PROJECT												
7.	CC-06	DPME-151/ DPCS-151	Engineering Drawing Lab / Computer Programming Lab	0	0	2	-	-	30	70	100	1
8.	CC-07	DPPH-151	Physics-I Lab	0	0	2	-	-	30	70	100	1
9.	CC-08	DPCH-151	Chemistry-I Lab	0	0	2	-	-	30	70	100	1
10.	CC-09	DPME-152 / DPEE-151	Workshop Lab / Basic Electrical and Electronics Engineering Lab	0	0	2	-	-	30	70	100	1
11.	SEC-01	DPGP-101	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**18**	**06**	**08**	**-**	**-**	**-**	**-**	**1100**	**29**

Diploma (Civil Engineering) II Semester

Theory Papers (Total 6) Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	CC-10	DPPH-201	Elementary Physics-II	3	1	0	20	10	30	70	100	4
2.	CC-11	DPMA-201	Elementary Mathematics -II	3	1	0	20	10	30	70	100	4
3.	CC-12	DPCH-201	Elementary Chemistry-II	3	1	0	20	10	30	70	100	4
4.	CC-13	DPME-203	Elementary Mechanical Engineering	3	1	0	20	10	30	70	100	4
5.	CC-14	DPEE-201 / DPME-202	Basic Electrical & Electronics Engineering / Workshop Technology	3	1	0	20	10	30	70	100	4
6.	CC-15	DPME-201 / DPCS-201	Elementary Engineering Mechanics / Computer fundamentals & Programming in C	3	1	0	20	10	30	70	100	4
PRACTICALS/ PROJECT												
7.	CC-16	DPPH-251	Physics-II Lab	0	0	2	-	-	30	70	100	1
8.	CC-17	DPEE-251 / DPME-252	Basic Electrical and Electronics Engineering Lab / Workshop Lab	0	0	2	-	-	30	70	100	1
9.	CC-18	DPCS -251/ DPME-251	Computer Programming Lab / Engineering Drawing Lab	0	0	2	-	-	30	70	100	1
10.	CC-19	DPCH-251	Chemistry – II Lab	0	0	2	-	-	30	70	100	1
11.	SEC-02	DPGP-201	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**18**	**06**	**08**	**-**	**-**	**-**	**-**	**1100**	**29**

Diploma (Civil Engineering) III Semester

Theory Papers (Total 5) Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	DSC-01	DPCE-301	Materials Science & Engineering	3	1	0	20	10	30	70	100	4
2.	DSC-02	DPCE-302	Public Health Engineering	3	1	0	20	10	30	70	100	4
3.	DSC-03	DPCE-303	Surveying Practice-1	3	1	0	20	10	30	70	100	4
4.	DSC-04	DPCE-304	Building Construction & Maintenance	3	1	0	20	10	30	70	100	4
5.	DSC-05	DPCE-305	Introductory Strength of Materials	3	1	0	20	10	30	70	100	4
PRACTICALS/ PROJECT												
6.	DSC-06	DPCE-351	Materials Science Lab	0	0	2	-	-	30	70	100	1
7.	DSC-07	DPCE-352	Public Health Engineering Lab	0	0	2	-	-	30	70	100	1
8.	DSC-08	DPCE-353	Surveying Practice-I Lab	0	0	2	-	-	30	70	100	1
9.	DSC-09	DPCE-354	Building Material Lab	0	0	2	-	-	30	70	100	1
10.	SEC-03	DPGP-301	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**15**	**05**	**08**	**-**	**-**	**-**	**-**	**1000**	**25**

Diploma (Civil Engineering) IV Semester

Theory Papers (Total 5) Ability Enhancement Compulsory Paper (Total 1)
Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	DSC-10	DPCE-401	Basic Geotechnical Engineering	3	1	0	20	10	30	70	100	4
2.	DSC-11	DPCE-402	Basic Concrete Technology	3	1	0	20	10	30	70	100	4
3.	DSC-12	DPCE-403	Surveying Practice-II	3	1	0	20	10	30	70	100	4
4.	DSC-13	DPCE-404	Introductory Fluid Mechanics	3	1	0	20	10	30	70	100	4
5.	DSC-14	DPCE-405	Basic Structural Analysis	3	1	0	20	10	30	70	100	4
PRACTICALS/ PROJECT												
6.	DSC-15	DPCE-451	Basic Geotechnical Engineering Lab	0	0	2	-	-	30	70	100	1
7.	DSC-16	DPCE-452	Concrete Technology Lab	0	0	2	-	-	30	70	100	1
8.	DSC-17	DPCE-453	Surveying Practice-II Lab	0	0	2	-	-	30	70	100	1
9.	DSC-18	DPCE-454	Fluid Mechanics Lab	0	0	2	-	-	30	70	100	1
10.	SEC-04	DPGP-401	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**15**	**05**	**08**	**-**	**-**	**-**	**-**	**1000**	**25**

Ability Enhancement Compulsory Course

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
1.	AECC-02	PSC-401	Professional Communication	3	1	0	20	10	30	70	100	0

Diploma (Civil Engineering) V Semester

Theory Papers (Total 5) Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	DSC-19	DPCE-501	Basic Transportation Engineering	3	1	0	20	10	30	70	100	4
2.	DSC-20	DPCE-502	Construction Management & Entrepreneurship Development	3	1	0	20	10	30	70	100	4
3.	DSC-21	DPCE-503	Design of Concrete Structures	3	1	0	20	10	30	70	100	4
Departmental Elective (Select any one)												
4.	DSE-01	DPCE-504	Estimation & Costing	3	1	0	20	10	30	70	100	4
	DSE-02	DPCE-505	Basic Earthquake Engineering									
Open Elective (Select any one)												
5.	DOE-01	DOEC-051	Industrial Management & Entrepreneurship Development	3	1	0	20	10	30	70	100	4
	DOE-02	DOCE-051	Disaster Management									
	DOE-03	NCC-01	NCC General	-	-	-	-	-	-	-	-	
PRACTICALS/ PROJECT												
6.	DSC-22	DPCE-551	Transportation Engineering Lab	0	0	2	-	-	30	70	100	1
7.	DSC-23	DPCE-552	CAD Lab	0	0	2	-	-	30	70	100	1
8.	SEC-05	DPCE-553	Industrial Training	0	0	2	-	-	100	-	100	1
9.	SEC-06	DPCE-554	Seminar	0	0	2	-	-	100	-	100	1
10.	SEC-07	DPGP-501	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**15**	**05**	**08**	**-**	**-**	**-**	**-**	**1000**	**25**

Diploma (Civil Engineering) VI Semester

Theory Papers (Total 5) Practical Paper (Total 3)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	DSC-24	DPCE-601	Engineering Geology	3	1	0	20	10	30	70	100	4
2.	DSC-25	DPCE-602	Irrigation Engineering	3	1	0	20	10	30	70	100	4
3.	DSC-26	DPCE-603	Environmental Pollution Studies	3	1	0	20	10	30	70	100	4
Departmental Elective (Select any one)												
4.	DSE-03	DPCE-604	Introduction to Bridge Engineering	3	1	0	20	10	30	70	100	4
	DSE-04	DPCE-605	Design of Steel Structures									
Open Elective (Select any one)												
5.	DOE-04	DOME-061	Total Quality Management	3	1	0	20	10	30	70	100	4
	DOE-05	DOEE-061	Non-Conventional Energy Resources									
PRACTICALS/ PROJECT												
6.	DSC-27	DPCE-651	Engineering Geology Lab	0	0	2	-	-	30	70	100	1
7.	DSC-28	DPCE-652	Civil Engineering Drawing Lab	0	0	2	-	-	30	70	100	1
8.	SEC-08	DPCE-653	Project	0	0	8	-	-	60	140	200	4
9.	SEC-09	DPGP-601	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**15**	**05**	**12**	**-**	**-**	**-**	**-**	**1000**	**27**

Diploma (Computer Science & Engineering) I Semester

Theory Papers (Total 5) Ability Enhancement Compulsory Paper (Total 1)
Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	CC-01	DPPH-101	Elementary Physics-I	3	1	0	20	10	30	70	100	4
2.	CC-02	DPMA-101	Elementary Mathematics -I	3	1	0	20	10	30	70	100	4
3.	CC-03	DPCH-101	Elementary Chemistry-I	3	1	0	20	10	30	70	100	4
4.	CC-04	DPME-101 / DPCS-101	Elementary Engineering Mechanics / Computer Fundamentals & Programming in C	3	1	0	20	10	30	70	100	4
5.	CC-05	DPME-102 / DPEE-101	Workshop Technology / Basic Electrical & Electronics Engineering	3	1	0	20	10	30	70	100	4
6.	AECC-01	FEC-101	Fundamentals of English Communication	3	1	0	20	10	30	70	100	4
PRACTICALS/ PROJECT												
7.	CC-06	DPME-151/ DPCS-151	Engineering Drawing Lab / Computer Programming Lab	0	0	2	-	-	30	70	100	1
8.	CC-07	DPPH-151	Physics-I Lab	0	0	2	-	-	30	70	100	1
9.	CC-08	DPCH-151	Chemistry-I Lab	0	0	2	-	-	30	70	100	1
10.	CC-09	DPME-152 / DPEE-151	Workshop Lab / Basic Electrical and Electronics Engineering Lab	0	0	2	-	-	30	70	100	1
11.	SEC-01	DPGP-101	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**18**	**06**	**08**	**-**	**-**	**-**	**-**	**1100**	**29**

Diploma (Computer Science & Engineering) II Semester

Theory Papers (Total 6) Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	CC-10	DPPH-201	Elementary Physics-II	3	1	0	20	10	30	70	100	4
2.	CC-11	DPMA-201	Elementary Mathematics -II	3	1	0	20	10	30	70	100	4
3.	CC-12	DPCH-201	Elementary Chemistry-II	3	1	0	20	10	30	70	100	4
4.	CC-13	DPME-203	Elementary Mechanical Engineering	3	1	0	20	10	30	70	100	4
5.	CC-14	DPEE-201 / DPME-202	Basic Electrical & Electronics Engineering / Workshop Technology	3	1	0	20	10	30	70	100	4
6.	CC-15	DPME-201 / DPCS-201	Elementary Engineering Mechanics / Computer fundamentals & Programming in C	3	1	0	20	10	30	70	100	4
PRACTICALS/ PROJECT												
7.	CC-16	DPPH-251	Physics-II Lab	0	0	2	-	-	30	70	100	1
8.	CC-17	DPEE-251 / DPME-252	Basic Electrical and Electronics Engineering Lab / Workshop Lab	0	0	2	-	-	30	70	100	1
9.	CC-18	DPCS -251/ DPME-251	Computer Programming Lab / Engineering Drawing Lab	0	0	2	-	-	30	70	100	1
10.	CC-19	DPCH-251	Chemistry – II Lab	0	0	2	-	-	30	70	100	1
11.	SEC-02	DPGP-201	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**18**	**06**	**08**	**-**	**-**	**-**	**-**	**1100**	**29**

Diploma (Computer Science & Engineering) III Semester

Theory Papers (Total 6) Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	DSC-01	DPCS-301	Basic Digital Electronics	3	1	0	20	10	30	70	100	4
2.	DSC-02	DPCS-302	Introduction to Data Structure and Algorithm	3	1	0	20	10	30	70	100	4
3.	DSC-03	DPCS-303	Basic Object-Oriented Concepts & C++	3	1	0	20	10	30	70	100	4
4.	DSC-04	DPCS-304	Computer Application Software Packages	3	1	0	20	10	30	70	100	4
5.	DSC-05	DPCS-305	Organizational Behavior	3	1	0	20	10	30	70	100	4
PRACTICALS/ PROJECT												
6.	DSC-06	DPCS-351	Digital Electronics Lab	0	0	2	-	-	30	70	100	1
7.	DSC-07	DPCS-352	Data Structure Lab	0	0	2	-	-	30	70	100	1
8.	DSC-08	DPCS-353	C++ Lab	0	0	2	-	-	30	70	100	1
9.	DSC-09	DPCS-354	Computer Application Software Packages Lab	0	0	2	-	-	30	70	100	1
10.	SEC-03	DPGP - 301	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**15**	**05**	**08**	**-**	**-**	**-**	**-**	**1000**	**25**

Diploma (Computer Science & Engineering) IV Semester

Theory Papers (Total 5) Ability Enhancement Compulsory Paper (Total 1)
Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	DSC-10	DPCS-401	Introduction to Computer Network	3	1	0	20	10	30	70	100	4
2.	DSC-11	DPCS-402	Introduction to Database Management System	3	1	0	20	10	30	70	100	4
3.	DSC-12	DPCS-403	Introduction to Operating System	3	1	0	20	10	30	70	100	4
4.	DSC-13	DPCS-404	Java Programming	3	1	0	20	10	30	70	100	4
5.	DSC-14	DPCS-405	Basics of Computer Organization	3	1	0	20	10	30	70	100	4
PRACTICALS/ PROJECT												
6.	DSC-15	DPCS-451	Computer Network Lab	0	0	2	-	-	30	70	100	1
7.	DSC-16	DPCS-452	DBMS Lab	0	0	2	-	-	30	70	100	1
8.	DSC-17	DPCS-453	Operating System Lab	0	0	2	-	-	30	70	100	1
9.	DSC-18	DPCS-454	Java Programming Lab	0	0	2	-	-	30	70	100	1
10.	SEC-04	DPGP-401	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**15**	**05**	**08**	**-**	**-**	**-**	**-**	**1000**	**25**

Ability Enhancement Compulsory Course

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
1.	AECC-01	PSC-401	Professional Communication	3	1	0	20	10	30	70	100	0

Diploma (Computer Science & Engineering) V Semester

Theory Papers (Total 5) Practical Paper (Total 4)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	DSC-19	DPCS-501	System Administration	3	1	0	20	10	30	70	100	4
2.	DSC-20	DPCS-502	Computer Graphics & Multimedia	3	1	0	20	10	30	70	100	4
3.	DSC-21	DPCS-503	Introduction to Software Engineering Principles	3	1	0	20	10	30	70	100	4
Departmental Elective (Select any one)												
4.	DSE-01	DPCS-504	Introduction to Management Information System	3	1	0	20	10	30	70	100	4
	DSE-02	DPCS-505	E- Commerce									
Open Elective (Select any one)												
5.	DOE-01	DOEC-051	Industrial Management & Entrepreneurship Development	3	1	0	20	10	30	70	100	4
	DOE-02	DOCE-051	Disaster Management									
	DOE-03	NCC-01	NCC General	-	-	-	-	-	-	-	-	4
PRACTICALS/ PROJECT												
6.	DSC-22	DPCS-551	System Administration Lab	0	0	2	-	-	30	70	100	1
7.	DSC-23	DPCS-552	Computer Graphics Lab	0	0	2	-	-	30	70	100	1
8.	SEC-05	DPCS-553	Industrial Training	0	0	2	-	-	100	-	100	1
9.	SEC-06	DPCS-554	Seminar	0	0	2	-	-	100	-	100	1
10.	SEC-07	DPGP-501	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**15**	**05**	**08**	**-**	**-**	**-**	**-**	**1000**	**25**

Diploma (Computer Science & Engineering) VI Semester

Theory Papers (Total 5) Practical Paper (Total 3)

S. No.	Section	Course Code	Course Name	Periods			Evaluation Scheme				Course Total	Credit
							Mid Term Exam			External Exam		
				L	T	P	CT	AS +AT	Total			
THEORY												
1.	DSC-24	DPCS-601	.Net Programming	3	1	0	20	10	30	70	100	4
2.	DSC-25	DPCS-602	Web Designing	3	1	0	20	10	30	70	100	4
3.	DSC-26	DPCS-603	Computer Hardware Maintenance	3	1	0	20	10	30	70	100	4
Departmental Elective (Select any one)												
4.	DSE-03	DPCS-604	Python Programming	3	1	0	20	10	30	70	100	4
	DSE-04	DPCS-605	Cloud Computing									
Open Elective (Select any one)												
5.	DOE-04	DOME-061	Total Quality Management	3	1	0	20	10	30	70	100	4
	DOE-05	DOEE-061	Non-Conventional Energy Resources									
PRACTICALS/ PROJECT												
6.	DSC-27	DPCS-651	.Net Programming Lab	0	0	2	-	-	30	70	100	1
7.	DSC-28	DPCS-652	Web Designing Lab	0	0	2	-	-	30	70	100	1
8.	SEC-08	DPCS-653	Project	0	0	8	-	-	60	140	200	4
9.	SEC-09	DPGP-601	General Proficiency	-	-	-	-	-	100	-	100	1
			TOTAL	**15**	**05**	**12**	**-**	**-**	**-**	**-**	**1000**	**27**

Industrial Training of 4 – 6 Weeks after IV Semester which will be evaluated in V Semester.

LIST OF ELECTIVES (Electrical Engineering)

Departmental Elective

S.No.	Course Code	Course Name
1.	DPEE-504	Fundamentals of High Voltage Engineering
2.	DPEE-505	Control of Electrical Machines
3.	DPEE-604	Electric Traction
4.	DPEE-605	Process Control & Instrumentation

LIST OF ELECTIVES (Electronics & Communication Engineering)

Departmental Elective

S.No.	Course Code	Course Name
1.	DPEC-504	Telemetry & Data Acquisition Systems
2.	DPEC-505	Process Control & Instrumentation
3.	DPEC-604	Modern Consumer Electronics Appliances
4.	DPEC-605	Electronics Equipment Testing

LIST OF ELECTIVES (Mechanical Engineering)

Departmental Elective

S.No.	Course Code	Course Name
1.	DPME -504	Air Conditioning
2.	DPME -505	Machine Tool Technology & Maintenance
3.	DPME- 604	Production Automation
4.	DPME- 605	Introduction to CNC & Computer Graphics

LIST OF ELECTIVES (Civil Engineering)

Departmental Elective

S.No.	Course Code	Course Name
1.	DPCE-504	Estimation & Costing
2.	DPCE-505	Basic Earthquake Engineering
3.	DPCE-604	Introduction to Bridge Engineering
4.	DPCE-605	Design of Steel Structures

LIST OF ELECTIVES (Computer Science & Engineering)

Departmental Elective

S.No.	Course Code	Course Name
1.	DPCS-504	Introduction to Management Information System
2.	DPCS-505	E- Commerce
3.	DPCS-604	Python Programming
4.	DPCS-605	Cloud Computing

Inter-Disciplinary Open Elective

S.No.	Course Code	Course Name
1.	DOEC-051	Industrial Management & Entrepreneurship Development
2.	DOCE-051	Disaster Management
3.	NCC-01	NCC General
4.	DOME-061	Total Quality Management
5.	DOEE-061	Non-Conventional Energy Resources

12. Examinations/Assessments

12A. Internal/ Sessional Examination

(a) The minimum Grade required to pass in each Theory & Practical paper is 'GRADE D'.

(b) A candidate, in order to pass must satisfy the requirement of Minimum CGPA of 4.50 in a particular academic year inclusive of both semesters of that academic year subject to conditions of clause 13D.

(c) In case of audit/qualifying paper the minimum Grade required to pass is Grade D. However, the Grade obtained in audit paper shall not be included in SGPA.

12B. End-Semester Examination

There will be two End Semester Examinations in all theory and project subjects viz. Odd (I, III, V) Semester Examination and Even (II, IV, VI) Semester Examination in an academic year.

12C. Carry Forward of Marks

In case, if a student gets the back in a course/paper, the sessional marks of the subject concerned will carried forward in the total of marks when he re-appears for the examination of the course in which he has got the back.

12D. Heads of Passing

(a) The minimum passing marks in each theory subject (including Internal/ Sessional marks) will be 35%.

(b) The minimum passing marks in each comprehensive viva/project will be 50 %.

(c) A student , in order to pass must satisfy the following:

Minimum 45% marks in aggregate of a particular academic year inclusive of both semesters of

that academic year subject to the conditions of the clause 10B.

12E. Carry Over System

Maximum number of carry over papers (Theory/viva/project) permissible for promotion to next year will be 06.

12F. Promotion

(a) A candidate satisfying all the requirements under clause 13A shall be promoted to the next academic year of study.

(b) A candidate shall be eligible for provisional promotion with carryover (PCP status) to the next academic year of study provided he/she fails to satisfy the requirements of clause 13A (a) in not more than permissible carry over paper as mentioned in clause 13D.

(c) If a candidate satisfies the requirement of clause 13A (a) but fails to satisfy the requirement of 13A (b) he/she shall be eligible for provisional promotion with carryover (PCP-A {aggregate} status). He/she may choose up to a maximum of any 04 theory papers of that particular academic year as per his/her choice to pass the examination of that.

12G. Ex-studentship

A candidate opting for ex-studentship shall be required to appear in all the theory/practical/viva papers in the end semester examinations of both semesters/ annual examination of the same academic year However, the sessional marks of theory & practical both shall remain the same as those secured earlier.

13. Evaluation of Performance

(a) Programmes: Evaluation of performance of the students in a programme shall be a continuous process based on their performance in the class test, quizzes, assignments and the end semester examinations.

Theory papers in semester system (Maximum Marks: 100)

The evaluation will be done through two class test and one end semester examination.

This will be in addition to quizzes, assignments, attendance, etc. Each class test will carry a weightage of 10 marks, and the end semester examination will carry a weightage of 70 marks. The remaining 10 marks will be awarded on the basis of attendance and performance in quizzes

and assignments.

(b) Summer Training, Project Report, Seminar etc.

Summer Training, Project Report, Seminar, and other learning oriented activities shall have associated maximum marks and credits, as stated in the syllabus.

Evaluation Scheme			
	Internal	***External***	***Total***
Theory	***30***	***70***	***100***
Practical	***30***	***70***	***100***
Seminar	***100***	***--***	***100***
Industrial Training	***100***	***--***	***100***
Project	***60***	***140***	***200***

Question paper pattern for End-semester Examinations

I. Multiple Choice Questions (MCQs) (Internal Choice questions)	=	20 x 1	=	20
II. Long Answers (Answer 1 out of 2)	=	5 x 10	=	50
Total Marks	**=**			**70**

Question paper pattern for Internal/ Sessional Examinations

Long Answers (Answer 2 out of 3)	=	2 x 4	=	8 (Each Mid-Sem)
Multiple Choice Questions (MCQs)	=	2 x 1	=	2
Total Marks	**=**			**20**

14. Award of Division

(a) The division shall be awarded on the basis of final year result.

(b) If a student passes all examinations and secure minimum Final CGPA 4.50 to 5.99, he/she shall be eligible for the award of SECOND DIVISION.

(c) If a student passes all examinations and secure minimum Final CGPA 6.00 to 7.49, he/she shall be eligible for the award of FIRST DIVISION.

(d) If a student passes all examinations in first attempt without change of Grade and secures minimum Final CGPA 7.50 & above, he/she shall be eligible for the award of FIRST DIVISION WITH HONOURS.

15. Scrutiny and Re-evaluation

(a) Scrutiny shall be allowed in only theory papers, in which Re-totaling of the marks awarded will be done and only unchecked answers (if any) will be evaluated.

(b) Re-evaluation of theory/practical papers is not permitted.

16. Unfair Means

Cases of unfair means shall be dealt as per the rules of the University.

17. Result

(a) The result of a candidate shall be declared on the basis of the performance of both semesters of the same academic year.

(b) Result of the final year shall be declared on the basis of working out Final CGPA which is the weighted average of CGPA of all years of the study.

18. Improvement

There shall be no provision of Improvement examination in all the courses running in the University.

19. Grade Card

(a) A copy of the Grade Card shall be issued to each student at the end of each academic year. The duplicate copy, if required can be obtained on payment of prescribed fee.

(b) The Grade Report Card of a student may be withheld if he/she has not paid his/her dues or if there is a case of indiscipline pending against him/her or for any other such reasons.

20. Re-Admission

A candidate may be allowed for re-admission provided he/she satisfies one of the following conditions:

(a) A candidate is declared fail.

(b) A candidate promoted with carry over papers and opts for re-admission.