Mechanical
SEMESTER-IV

S.N	Course no.	Subject	Period			Evaluation scheme					Credit	Hours
Theory			L	T	P	TA	CT	TOT	ESE	Sub Total		
1	MA 4105	Mathematics-IV	3	1	0	20	10	30	70	100	4	4
2	MA 4106	Probability & Statistics	3	1	0	20	10	30	70	100	4	4
3	ME 4107	Fluid Mechanics	3	1	0	20	10	30	70	100	4	4
4	ME 4108	Fluid Machine	3	1	0	20	10	30	70	100	4	4
5	ME 4109	Manufacturing Technology-I	3	1	0	20	10	30	70	100	4	4
6	ME 4110	CAD G	3	1	0	20	10	30	70	100	4	4
Total										600	24	24
Sessionals												
1	ME 4209	Fluid Mechanics lab	0	0	3	30	-	30	20	50	2	3
2	ME 4210	Fluid Machine lab	0	0	3	30	-	30	20	50	2	3
3	ME 4211	Workshop	0	0	3	30	-	30	20	50	2	3
4	ME 4212	CAD lab	0	0	3	30	-	30	20	50	2	3
5	ME 4304	General Proficiency	-	-	-	-	-	-	-	50	1	-
Total										250	9	12

TA-Teachers assessment, CT- Class test, ESE- End semester examination.

Total Credits 24+9=33 Total Marks 600+250=850 Total Hours 24+12=36

(Rest 6 hours is to be utilized for co-curricular development)

Electrical
SEMESTER-IV

S.N	Course no.	Subject	Period			Evaluation scheme					Credit	Hours
Theory			L	T	P	TA	CT	TOT	ESE	Sub Total		
1	MA 4105	Mathematics-IV	3	1	0	20	10	30	70	100	4	4
2	MA 4106	Probability & Statistics	3	1	0	20	10	30	70	100	4	4
3	EC 4103	Analog Electronics	3	1	0	20	10	30	70	100	4	4
4	EE 4104	Power System I	3	1	0	20	10	30	70	100	4	4
5	EE 4105	Instrumentation I	3	1	0	20	10	30	70	100	4	4
6	EE 4106	Signals and Systems	3	1	0	20	10	30	70	100	4	4
Total										600	24	24
Sessionals												
1	EE 4204	Computational Lab	0	0	3	30	-	30	20	50	2	3
2	HU 4201	Communications Skill Lab	0	0	3	30	-	30	20	50	2	3
3	EE 4205	Instrumentation Lab	0	0	3	30	-	30	20	50	2	3
4	EC 4203	Analog Electronics Lab	0	0	3	30	-	30	20	50	2	3
5	EE 4304	General Proficiency	-	-	-	-	-	-	-	50	1	-
Total										250	9	12

TA-Teachers assessment, CT- Class test, ESE- End semester examination.
Total Credits 24+9=33 Total Marks 600+250=850 Total Hours 24+12=36
(Rest 6 hours is to be utilized for co-curricular development)

Production
SEMESTER-IV

S.N	Course no.	Subject	Period			Evaluation scheme					Credit	Hours
Theory			L	T	P	TA	CT	TOT	ESE	Sub Total		
1	MA 4105	Mathematics-IV	3	1	0	20	10	30	70	100	4	4
2	MA 4106	Probability & Statistics	3	1	0	20	10	30	70	100	4	4
3	ME 4108	Fluid Mechanics	3	1	0	20	10	30	70	100	4	4
4	ME 4109	Fluid Machine	3	1	0	20	10	30	70	100	4	4
5	PE 4101	CAD	3	1	0	20	10	30	70	100	4	4
6	PE 4102	M.P-I	3	1	0	20	10	30	70	100	4	4
Total										600	24	24
Sessionals												
1	ME 4210	Fluid Mechanics Lab	0	0	3	30	-	30	20	50	2	3
2	ME 4211	Fluid Machine Lab	0	0	3	30	-	30	20	50	2	3
3	PE 4201	CAD Lab	0	0	3	30	-	30	20	50	2	3
4	PE 4202	M.P-I (Workshop)	0	0	3	30	-	30	20	50	2	3
5	PE 4304	General Proficiency	-	-	-	-	-	-	-	50	1	-
Total										250	9	12

TA-Teachers assessment, CT- Class test, ESE- End semester examination.
Total Credits 24+9=33 Total Marks 600+250=850 Total Hours 24+12=36
(Rest 6 hours is to be utilized for co-curricular development)

Metallurgical
SEMESTER-IV

S.N	Course no.	Subject	Period			Evaluation scheme					Credit	Hours
Theory			L	T	P	TA	CT	TOT	ESE	Sub Total		
1	MA 4105	Mathematics - IV	3	1	0	20	10	30	70	100	4	4
2	MA 4106	Probability & Statistics	3	1	0	20	10	30	70	100	4	4
3	ML 4103	Mineral Process Engineering	3	1	0	20	10	30	70	100	4	4
4	ML 4104	Fuels Refractories & Furnaces	3	1	0	20	10	30	70	100	4	4
5	ML 4106	Material Characterization	3	1	0	20	10	30	70	100	4	4
6	ML 4107	Metallurgical Thermodynamics & Kinetic	3	1	0	20	10	30	70	100	4	4
Total										600	24	24
Sessionals												
1	ML 4202	Metallography Lab	0	0	3	30	-	30	20	50	2	3
2	ML 4203	Mineral Engineering Lab	0	0	3	30	-	30	20	50	2	3
3	ML 4204	Met. Thermodynamics & Kinetic Lab	0	0	3	30	-	30	20	50	2	3
4	ML 4205	FRF Lab	0	0	3	30	-	30	20	50	2	3
5	ML 4304	General Proficiency	-	-	-	-	-	-	-	50	1	-
Total										250	9	12

TA-Teachers assessment, CT- Class test, ESE- End semester examination.
Total Credits 24+9=33 Total Marks 600+250=850 Total Hours 24+12=36
(Rest 6 hours is to be utilized for co-curricular development)

Chemical
SEMESTER-IV

S.N	Course no.	Subject	Period			Evaluation scheme					Credit	Hours
Theory			L	T	P	TA	CT	TOT	ESE	Sub Total		
1	MA 4105	Mathematics-IV	3	1	0	20	10	30	70	100	3	3
2	MA 4106	Probability & Statistics	3	1	0	20	10	30	70	100	3	3
3	CL 4104	INDUSTRIAL CHEMICAL CALCULATION	3	1	0	20	10	30	70	100	3	3
4	CL 4105	FLIUD AND PARTICLE OPERATIONS	3	1	0	20	10	30	70	100	4	4
5	CL 4106	PROCESS ENGINEERING-1	3	1	0	20	10	30	70	100	4	4
6	CL 4107	CHEMICALENGINEERING THERMODYNAMICS-II	3	1	0	20	10	30	70	100	4	4
Total										600	24	24
Sessionals												
1	CL 4205	FLIUD AND PARTICLE OPERATIONS LAB	0	0	3	30	-	30	20	50	2	3
2	CL 4204	CHEMICAL ENGG. DRAWING LAB	0	0	3	30	-	30	20	50	2	3
3	CL 4206	PROCESS ENGINEERING-1 LAB	0	0	3	30	-	30	20	50	2	3
4	CL 4207	CHEMICALENGINEERING THERMODYNAMICS-II LAB	0	0	3	30	-	30	20	50	2	3
5	CL 4304	General Proficiency	-	-	-	-	-	-	-	50	1	-
Total										250	9	12

TA-Teachers assessment, CT- Class test, ESE- End semester examination.
Total Credits 24+9=33 Total Marks 600+250=850 Total Hours 24+12=36
(Rest 6 hours is to be utilized for co-curricular development)

Civil
SEMESTER-IV

S.N	Course no.	Subject	Period			Evaluation scheme					Credit	Hours
Theory			L	T	P	TA	CT	TOT	ESE	Sub Total		
1	MA 4105	Mathematics-IV	3	1	0	20	10	30	70	100	4	4
2	MA 4106	Probability & Statistics	3	1	0	20	10	30	70	100	4	4
3	CE 4103	Fluid Mechanics	3	1	0	20	10	30	70	100	4	4
4	GE 4104	Engineering Geology	3	1	0	20	10	30	70	100	4	4
5	CE 4104	Structural Analysis I	3	1	0	20	10	30	70	100	4	4
6	CE 4105	Surveying II	3	1	0	20	10	30	70	100	4	4
Total										600	24	24
Sessionals												
1	CE 4203	Fluid Mechanics lab	0	0	3	30	-	30	20	50	2	3
2	GE 4204	Engineering Geology Lab	0	0	3	30	-	30	20	50	2	3
3	CE 4204	Civil Engineering Drawing	0	0	3	30	-	30	20	50	2	3
4	CE 4205	Field Survey	0	0	3	30	-	30	20	50	2	3
5	CE 4304	General Proficiency	-	-	-	-	-	-	-	50	1	-
Total										250	9	12

TA-Teachers assessment, CT- Class test, ESE- End semester examination.
Total Credits 24+9=33 Total Marks 600+250=850 Total Hours 24+12=36
(Rest 6 hours is to be utilized for co-curricular development)

BRANCH: MINING ENGINEERING YEAR: 2 SEMESTER 4

Sl No.	Course No.	Subject	Periods			Evaluation Scheme					Credits	Hours
						SESSIONAL EXAM			ESE	SUB TOTAL		
		THEORY	L	T	P	TA	CT	TOT				
1	MA 4105	Mathematics - IV	3	1	0	20	10	30	70	100	4	4
2	MA 4106	Probability & Statistics	3	1	0	20	10	30	70	100	4	4
3	ME 4107	Fluid Mechanics	3	1	0	20	10	30	70	100	4	4
4	ML 4103	Mineral Process Engineering	3	1	0	20	10	30	70	100	4	4
5	MN 4101	Introduction to Mining Technology	3	1	0	20	10	30	70	100	4	4
6	GE 4103	Engineering Geology - II	3	1	0	20	10	30	70	100	4	4
	Total									600	24	24
		PRACTICALS/ DRAWING/DESIGN										
1	ME 4207	Fluid Mechanics	0	0	3	30	-	30	20	50	2	3
2	ML 4203	Mineral Process Engineering	0	0	3	30	-	30	20	50	2	3
3	MN 4201	Introduction to Mining Technology	0	0	3	30	-	30	20	50	2	3
4	GE 4203	Engineering Geology-II	0	0	3	30	-	30	20	50	2	3
5	MN 4304	General Proficiency	-	-	-	-	-	-	-	50	1	-
	Total									250	9	12

TA-Teachers assessment, CT- Class test, ESE- End semester examination.
Total Credits 24+9=33 Total Marks 600+250=850 Total Hours 24+12=36

(Rest 6 hours is to be utilized for co-curricular development)

ECE
SEMESTER-IV

S.N	Course no.	Subject	Period			Evaluation scheme					Credit	Hours
Theory			L	T	P	TA	CT	TOT	ESE	Sub Total		
1	MA 4105	Mathematics-IV	3	1	0	20	10	30	70	100	4	4
2	MA 4106	Probability & Statistics	3	1	0	20	10	30	70	100	4	4
3	EC 4103	Analog Electronics	3	1	0	20	10	30	70	100	4	4
4	EE 4105	Instrumentation I	3	1	0	20	10	30	70	100	4	4
5	EC 4104	Communication System & Engg.	3	1	0	20	10	30	70	100	4	4
6		Semiconductor Devices	3	1	0	20	10	30	70	100	4	4
Total										600	24	24
Sessionals												
1	EC 4203	Analog Electronics Lab	0	0	3	30	-	30	20	50	2	3
2	EC 4204	Communication Engg. Lab	0	0	3	30	-	30	20	50	2	3
3		Semiconductor Devices Lab	0	0	3	30	-	30	20	50	2	3
4	EE 4205	Instrumentation Lab	0	0	3	30	-	30	20	50	2	3
5	EC 4304	General Proficiency	-	-	-	-	-	-	-	50	1	-
Total										250	9	12

TA-Teachers assessment, CT- Class test, ESE- End semester examination.
Total Credits 24+9=33 Total Marks 600+250=850 Total Hours 24+12=36
(Rest 6 hours is to be utilized for co-curricular development)

CSE
SEMESTER-IV

S.N	Course no.	Subject	Period			Evaluation scheme					Credit	Hours
Theory			L	T	P	TA	CT	TOT	ESE	Sub Total		
1	MA 4105	Mathematics-IV	3	1	0	20	10	30	70	100	4	4
2	MA 4106	Probability & Statistics	3	1	0	20	10	30	70	100	4	4
3		Object Oriented Programming in JAVA	3	1	0	20	10	30	70	100	4	4
4	EC 4104	Communication Systems & Engineering.	3	1	0	20	10	30	70	100	4	4
5	EC 4103	Analog Electronics	3	1	0	20	10	30	70	100	4	4
6		DataBase Management System	3	1	0	20	10	30	70	100	4	4
Total										600	24	24
Sessionals												
1		Object Oriented Programming in JAVA Lab	0	0	3	30	-	30	20	50	2	3
2	EC 4204	Communication Engg. Lab	0	0	3	30	-	30	20	50	2	3
3		DataBase Management System Lab	0	0	3	30	-	30	20	50	2	3
4	EC 4203	Analog Electronics Lab	0	0	3	30	-	30	20	50	2	3
5	CS 4304	General Proficiency	-	-	-	-	-	-	-	50	1	-
Total										250	9	12

TA-Teachers assessment, CT- Class test, ESE- End semester examination.
Total Credits 24+9=33 Total Marks 600+250=850 Total Hours 24+12=36
(Rest 6 hours is to be utilized for co-curricular development)

IT
SEMESTER-IV

S.N	Course no.	Subject	Period			Evaluation scheme					Credit	Hours
Theory			L	T	P	TA	CT	TOT	ESE	Sub Total		
1	MA 4105	Mathematics-IV	3	1	0	20	10	30	70	100	4	4
2	MA 4106	Probability & Statistics	3	1	0	20	10	30	70	100	4	4
3		Object Oriented Programming in JAVA	3	1	0	20	10	30	70	100	4	4
4	EC 4104	Communication Systems & Engineering.	3	1	0	20	10	30	70	100	4	4
5	EC 4103	Analog Electronics	3	1	0	20	10	30	70	100	4	4
6		DataBase Management System	3	1	0	20	10	30	70	100	4	4
Total										600	24	24
Sessionals												
1		Object Oriented Programming in JAVA Lab	0	0	3	30	-	30	20	50	2	3
2	EC 4204	Communication Engg. Lab	0	0	3	30	-	30	20	50	2	3
3		DataBase Management System Lab	0	0	3	30	-	30	20	50	2	3
4	EC 4203	Analog Electronics Lab	0	0	3	30	-	30	20	50	2	3
5	IT 4304	General Proficiency	-	-	-	-	-	-	-	50	1	-
Total										250	9	12

TA-Teachers assessment, CT- Class test, ESE- End semester examination.
Total Credits 24+9=33 Total Marks 600+250=850 Total Hours 24+12=36
(Rest 6 hours is to be utilized for co-curricular development)