

Group I (Section A, B, C & D)

Applicable for the 1st year students of:

B.Tech. (Chemical Engineering)
 B.Tech. (Civil Engineering)
 B.Tech. (Computer Science and Engineering)
 B.Tech. (Electronics and Communication Engineering)
 B.Tech. (Minerals and Metallurgical Engineering)
 B.Tech. (Petroleum Engineering)
 Integrated M.Tech. (Applied Geology)
 Integrated M.Tech. (Applied Geophysics)

1st Semester						
S. No.	Course Type	Course Code	Course Name	L-T-P	Course Category	Remark
1	IC1	MCI101	Mathematics - I	3-1-0	Theory	
2	IC2	PHI101	Physics	3-0-0	Theory	
3	IC3	PHI102	Physics Lab	0-0-2	Practical	
4	IC4	EEI101	Basics of Electrical Engineering	3-0-0 (4.5)	Theory (Modular)	Before Mid Semester
5	IC5	EEI102	Electrical Engineering Lab	0-0-3 (1.5)	Practical (Modular)	Before Mid Semester
6	IC6	ECI101	Basics of Electronics Engineering	3-0-0 (4.5)	Theory (Modular)	After Mid Semester
7	IC7	ECI102	Electronics Engineering Lab	0-0-3 (1.5)	Practical (Modular)	After Mid Semester
8	IC8	CEI101	Engineering Graphics	1-0-3	Theory	<i>Offered by Civil Engineering Dept.</i>
9	IC9	MEI101	Engineering Mechanics	3-1-0	Theory	<i>Offered by Mechanical Engineering Dept.</i>
10	IC10	MSI101	Engineering Economics and Finance	2-0-0	Theory	<i>Offered by Management Studies Dept.</i>
11	IC11	CCS101	Co-Curricular Activity - I	0-0-0 (S/X)	Audit	

The detailed syllabus of each courses can be obtained from the respective department link available under the course catalogue tab.

2nd Semester						
S. No.	Course Type	Course Code	Course Name	L-T-P	Course Category	Remark
1	IC1	MCI102	Mathematics - II	3-1-0	Theory	
2	IC2	CYI101	Chemistry	3-0-0	Theory	
3	IC3	CYI102	Chemistry Lab	0-0-2	Practical	
4	IC4	CSI101	Computer Programming	2-1-0 (4.0)	Theory (Modular)	Before Mid Semester
5	IC5	CSI102	Computer Programming Lab	0-0-2 (1.0)	Practical (Modular)	Before Mid Semester
6	IC6	MCI103	Numerical Methods	2-2-0 (5.0)	Theory (Modular)	After Mid Semester (Offered by Mathematics & Computing Dept.)
7	IC7	ESI101	Environmental Sciences	2-0-0 (3.0)	Theory (Modular)	Before Mid Semester
8	IC8	GLI101	Earth Sciences	2-0-0 (3.0)	Theory (Modular)	After Mid Semester (Offered by Applied Geology Dept.)
9	IC9	MEI102	Manufacturing Processes	2-0-3	Theory	Offered by Mechanical Engineering Dept.
10	IC10	HSI101	Communication Skills	1-0-2	Theory	Offered by Humanities & Social Science Dept.
11	IC11	CCS102	Co-Curricular Activity - II	0-0-0 (S/X)	Audit	

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Group II (Section E, F, G & H)

Applicable for the 1st year students of:

B.Tech. (Electrical Engineering)
 B.Tech. (Engineering Physics)
 B.Tech. (Environmental Engineering)
 B.Tech. (Mechanical Engineering)
 B.Tech. (Mining Engineering)
 B.Tech. (Mining Machinery Engineering)
 Integrated M.Tech. (Mathematics and Computing)

1st Semester						
S. No.	Course Type	Course Code	Course Name	L-T-P	Course Category	Remark
1	IC1	MCI101	Mathematics - I	3-1-0	Theory	
2	IC2	CYI101	Chemistry	3-0-0	Theory	
3	IC3	CYI102	Chemistry Lab	0-0-2	Practical	
4	IC4	EEI101	Basics of Electrical Engineering	3-0-0 (4.5)	Theory (Modular)	After Mid Semester
5	IC5	EEI102	Electrical Engineering Lab	0-0-3 (1.5)	Practical (Modular)	After Mid Semester
6	IC6	ECE101	Basics of Electronics Engineering	3-0-0 (4.5)	Theory (Modular)	Before Mid Semester
7	IC7	ECE102	Electronics Engineering Lab	0-0-3 (1.5)	Practical (Modular)	Before Mid Semester
8	IC8	ESI101	Environmental Sciences	2-0-0 (3.0)	Theory (Modular)	After Mid Semester
9	IC9	GLI101	Earth Sciences	2-0-0 (3.0)	Theory (Modular)	Before Mid Semester (Offered by Applied Geology Dept.)
10	IC10	MEI102	Manufacturing Processes	2-0-3	Theory	Offered by Mechanical Engineering Dept.
11	IC11	HSI101	Communication Skills	1-0-2	Theory	Offered by Humanities & Social Science Dept.
12	IC12	CCS101	Co-Curricular Activity - I	0-0-0 (S/X)	Audit	

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2nd Semester						
S. No.	Course Type	Course Code	Course Name	L-T-P	Course Category	Remark
1	IC1	MCI102	Mathematics - II	3-1-0	Theory	
2	IC2	PHI101	Physics	3-0-0	Theory	
3	IC3	PHI102	Physics Lab	0-0-2	Practical	
4	IC4	CSI101	Computer Programming	2-1-0 (4.0)	Theory (Modular)	After Mid Semester
5	IC5	CSI102	Computer Programming Lab	0-0-2 (1.0)	Practical (Modular)	After Mid Semester
6	IC6	MCI103	Numerical Methods	2-2-0 (5.0)	Theory (Modular)	Before Mid Semester (Offered by Mathematics & Computing Dept.)
7	IC8	CEI101	Engineering Graphics	1-0-3	Theory	Offered by Civil Engineering Dept.
8	IC9	MEI101	Engineering Mechanics	3-1-0	Theory	Offered by Mechanical Engineering Dept.
9	IC10	MSI101	Engineering Economics and Finance	2-0-0	Theory	Offered by Management Studies Dept.
10	IC11	CCS102	Co-Curricular Activity - II	0-0-0 (S/X)	Audit	

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