

B.Tech - I Year- Curriculum

2015 Regulations

S.No	New Course Code	Name of the Course	L	T	P	C	Offered in Semester	Offered to Branches
1	15PY101	Physics	3	0	0	3	1 & 2	Common for All branches
2	15PY101L	Physics Laboratory	0	0	2	1	1 & 2	Common for All branches
3	15PY102L *	Material Science Material Science Laboratory	2	0	2	3	1 & 2	Common for All branches
4	15CY101	Chemistry	3	0	0	3	1 & 2	Common for All branches
5	15CY101L	Chemistry Laboratory	0	0	2	1	1 & 2	Common for All branches
6	15CY102	Principles of Environmental Science	2	0	0	2	1 & 2	Common for All branches
7	15MA101	Calculus and Solid Geometry	3	1	0	4	1	Common for All branches except for Biotech, Genetics & Biomedical
8	15MA102	Advanced Calculus and Complex Analysis	3	1	0	4	2	Common for All branches except for Biotech, Genetics & Biomedical
9	15MA103	Matrices and Calculus	3	1	0	4	1	Only for Biotech, Genetics & Biomedical
10	15MA104	Multiple Integrals and Differential Equations	3	1	0	4	2	Only for Biotech, Genetics & Biomedical
11	15LE101	English	2	0	0	2	1	Common for All branches
12	15LE102	Value Education	2	0	0	2	2	Common for All branches
13	15PD101	Soft skill-I	1	1	0	1	1	Common for All branches
14	15PD102	Soft Skill-II	1	1	0	1	2	Common for All branches
15	15CE101	Basic Civil Engineering	2	0	0	2	1 & 2	Common for All branches
16	15ME101	Basic Mechanical Engineering	2	0	0	2	1 & 2	Common for All branches
17	15EE101	Basic electrical Engineering	2	0	0	2	1 & 2	Common for All branches
18	15EC101	Basic Electronics Engineering	2	0	0	2	1 & 2	Common for All branches
19	15BT101	Biology for Engineers	2	0	0	2	1 & 2	Common for all branches except Biotech & Genetics
20	15ME105L	Engineering Graphics	1	0	4	3	1 & 2	Common for All branches
21	15CS101L	Programming Laboratory	0	1	2	2	1 & 2	Common for All branches
22	15NC101/ 15NS101/ 15SP101/ 15YG101	NCC/NSS/Sports/Yoga	0	0	1	1	1 & 2	Common for All branches
Department Courses								
23	15EE103	Analysis of Electric circuits	3	0	0	3	1 & 2	Common for EEE, ECE & EIE
24	15IT102	Program design and Development	3	0	0	3	1 & 2	Common for CSE, SE & IT
25	15BT102	Human Physiology and Health	2	0	0	2	1 & 2	Only for Biotech
26	15BT103	Biochemistry	3	0	0	3	1 & 2	Common for Biotech, Genetics & Biomedical
27	15GN101	Cell Biology and Cytogetics	2	0	0	2	1 & 2	Only for Genetics
28	15NT101	Elements of nanoscience and Nanotechnology	3	0	0	3	2	Only for Nanotechnology
29	15AS101	Elements of Aeronautics	2	0	0	2	1 & 2	Only for Aerospace
30	15CY104	Material Technology	3	1	0	3	1 & 2	Only for Chemical
31	15CE102	Elements of building material science	2	0	0	2	1 & 2	Only for Civil
32	15AR101	Principles of architecture	2	0	0	2	1 & 2	Only for Civil
33	15ME102	Engineering Mechanics	3	2	0	4	1 & 2	Common for Mechanical, Automobile & Mechatronics
Department Laboratory								
34	15ME103L	Active learning lab	0	0	2	1	1 & 2	Only for Mechanical
35	15AE101L	Artefact dissection	0	0	2	1	1 & 2	Only for Automobile
36	15EE103L	Electric circuits laboratory	0	0	2	1	1 & 2	Common for EEE, ECE & EIE
37	15IT102L	Program design and Development Laboratory	0	0	2	1	1 & 2	Common for CSE, SE & IT
38	15BT103L	Biochemistry Laboratory	0	0	4	2	1 & 2	Only for Biotech & Genetics
Engineering Practice								
39	15ME104L	Workshop practice	0	0	3	2	1 & 2	Common for Civil, Mechanical, Automobile, Mechatronics, Aerospace, Chemical, Biotech, Genetics & Nanotechnology
40	15EC102L	Electronic Engineering Practices	0	0	2	1	1 & 2	Common for EEE, ECE, EIE & Biomedical
41	15EE102L	Electical Engineering Practices	0	0	2	1	1 & 2	Common for EEE, ECE, EIE & Biomedical
42	15IT101L	Computer Hardware and Troubleshooting Laboratory	0	0	4	2	1 & 2	Common for CSE, SE & IT

- * 1. For 15PY102L, the theory and practical portions shall be assessed separately for 100 marks each and consolidated by assigning a weightage of 50% for theory component and 50% for practical component.
2. Assessment for practical component will consists of A) 60% for laboratory work, attendance, and submission of record and B) 40% for End semester examination