



IPS Academy, Institute of Engineering & Science, Indore
(A UGC Autonomous Institute, Affiliated to RGPV, Bhopal)
Bachelor of Technology (B. Tech.)
First Year First Semester, Group-A(CSE,CSE-DS,RC,CE,FT)

S. No.	Course Type	Course Code	Course Title	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical			L	T	P	
				End Sem.	Mid Sem. Exam.	Quiz/Assign-ment	End Semester	Term work					
								Lab Work & Sessional					
1	BSC	MA01	Linear Algebra	60	25	15	-	-	100	2	1	-	3
2	BSC	PY01	Optics & Modern Physics	60	25	15	-	-	100	3	-	-	3
3	ESC	ME01	Engineering Graphics & Visualization	60	25	15	-	-	100	2	-	-	2
4	ESC	CE01	Basic Civil Engineering	60	25	15	-	-	100	2	-	-	2
5	ESC	EC01	Basic Electronics Engineering	60	25	15	-	-	100	2	-	-	2
6	ESC	CS01	Programming for Problem Solving	60	25	15	-	-	100	2	-	-	2
7	BSC	PY01(P)	Optics and Modern Physics Lab	-	-	-	60	40	100	-	-	2	1
8	ESC	ME01(P)	Engineering Graphics Lab	-	-	-	60	40	100	-	-	2	1
9	ESC	CE01(P)	Basic Civil Engineering Lab	-	-	-	60	40	100	-	-	2	1
10	ESC	CS01(P)	Programming for Problem Solving Lab	-	-	-	60	40	100	-	-	2	1
11	SBC	EC01(P)	Electronics and Computer Workshop	-	-	-	60	40	100	-	-	2	1
12	HSMC	HS01	Design Thinking	-	-	-	-	100	100	-	-	2	1
			Total	360	150	90	300	300	1200	13	1	12	20



IPS Academy, Institute of Engineering & Science, Indore

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Bachelor of Technology (B. Tech.)

First Year First Semester, Group-B(CSIT,AI ML,AG,EC,EEE,CM,ME,CSIT-CS, IoT)

S. No.	Course Type	Course Code	Course Title	Maximum Marks Allotted					Total Marks	Contact Hours			Total Credits
				Theory			Practical			Per week			
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Semester	Term work		L	T	P	
								Lab Work & Sessional					
1	BSC	MA02	Calculus	60	25	15	-	-	100	2	1	-	3
2	BSC	CH01	Applied Chemistry	60	25	15	-	-	100	3	-	-	3
3	ESC	ME02	Fundamentals of Mechanical Engineering	60	25	15	-	-	100	2	-	-	2
4	ESC	CE02	Engineering Mechanics	60	25	15	-	-	100	2	-	-	2
5	ESC	EE01	Basic Electrical Engineering	60	25	15	-	-	100	2	-	-	2
6	HSMC	HS02	Communicative English	60	25	15	-	-	100	2	-	-	2
7	BSC	CH01(P)	Applied Chemistry Lab	-	-	-	60	40	100	-	-	2	1
8	ESC	CE02(P)	Engineering Mechanics Lab	-	-	-	60	40	100	-	-	2	1
9	ESC	EE01(P)	Basic Electrical Engineering Lab	-	-	-	60	40	100	-	-	2	1
10	HSMC	HS02(P)	Language Lab	-	-	-	60	40	100	-	-	2	1
11	SBC	ME01(P)	Tech. Shop Lab	-	-	-	60	40	100	-	-	2	1
12	LLC	LLC01	Liberal Learning Course-I	-	-	-	-	100	100	-	-	2	1
			Total	360	150	90	300	300	1200	13	1	12	20