

SCHEME TEMPLATE FOR B.TECH FIRST YEAR (GNDEC)														
FIRST SEMESTER														
Subject Code*	Subject Title	T/P	SEM	Int. Marks	Ext. Marks	Total Marks	Scheme	L	T	P	Credits	Teaching Hrs.	Teaching Load	Group*
BSC-18101	Physics	T	1	40	60	100	2018	3	1	0	4	4	5	A
BSC-18102	Physics Lab	P	1	30	20	50	2018	0	0	2	1	2	4	A
BSC-18103	Mathematics-I	T	1	40	60	100	2018	3	1	0	4	4	5	A
HSMC-18101	Principles of Engineering Economics and Management	T	1	40	60	100	2018	3	0	0	3	4	5	A
ESC-18101	Basic Electrical Engineering	T	1	40	60	100	2018	3	1	0	4	4	5	A
ESC-18102	Basic Electrical Engineering Laboratory	P	1	30	20	50	2018	0	0	2	1	2	4	A
ESC-18103	Engineering Graphics and Design	T	1	40	60	100	2018	1	0	4	3	1	1	A
MPD-18101***	Mentoring and Professional Development	P	1	50	0	50	2018	0	0	1	0	1	2	A
TOTAL						600					20	22		
Subject Code	Subject Title	T/P	SEM	Int. Marks	Ext. Marks	Total Marks	Scheme	L	T	P	Credits	Teaching Hrs.	Teaching Load	Group*
BSC-18104	Mathematics-II	T	1	40	60	100	2018	3	1	0	4	4	5	B
BSC-18105	Chemistry	T	1	40	60	100	2018	3	1	0	4	4	5	B
BSC-18106	Chemistry Lab	P	1	30	20	50	2018	0	0	2	1	2	4	B
ESC-18104	Programming for Problem Solving	T	1	40	60	100	2018	3	1	0	4	3	3	B
ESC-18105	Programming for Problem Solving Laboratory	P	1	30	20	50	2018	0	0	2	1	4	8	B
ESC-18106	Manufacturing Practices	T	1	30	20	50	2018	0	0	4	2	4	8	B
HSMC-18102	English	T	1	40	60	100	2018	3	0	0	3	3	3	B
HSMC-18103	English Laboratory	P	1	30	20	50	2018	0	0	2	1	2	4	B
MPD-18101***	Mentoring and Professional Development	P	1	50	0	50	2018	0	0	1	0	1	2	B
TOTAL						600					20	27		
SCHEME TEMPLATE FOR B.TECH FIRST YEAR (GNDEC)														
SECOND SEMESTER														
Subject Code	Subject Title	T/P	SEM	Int. Marks	Ext. Marks	Total Marks	Scheme	L	T	P	Credits	Teaching Hrs.	Teaching Load	Group*
BSC-18104	Mathematics-II	T	2	40	60	100	2018	3	1	0	4	4	5	A
BSC-18105	Chemistry	T	2	40	60	100	2018	3	1	0	4	4	5	A
BSC-18106	Chemistry Lab	P	2	30	20	50	2018	0	0	2	1	2	4	A
ESC-18104	Programming for Problem Solving	T	2	40	60	100	2018	3	1	0	4	3	3	A
ESC-18105	Programming for Problem Solving Laboratory	P	2	30	20	50	2018	0	0	2	1	4	8	A
ESC-18106	Manufacturing Practices	T	2	30	20	50	2018	0	0	4	2	4	8	A
HSMC-18102	English	T	2	40	60	100	2018	3	0	0	3	3	3	A
HSMC-18103	English Laboratory	P	2	30	20	50	2018	0	0	2	1	2	4	A
MPD-18101***	Mentoring and Professional Development	P	2	50	0	50	2018	0	0	1	0	1	2	A
TOTAL						600					20	27		
Subject Code	Subject Title	T/P	SEM	Int. Marks	Ext. Marks	Total Marks	Scheme	L	T	P	Credits	Teaching Hrs.	Teaching Load	Group*
BSC-18101	Physics	T	2	40	60	100	2018	3	1	0	4	4	5	B
BSC-18102	Physics Lab	P	2	30	20	50	2018	0	0	2	1	2	4	B
BSC-18103	Mathematics-I	T	2	40	60	100	2018	3	1	0	4	4	5	B
HSMC-18101	Principles of Engineering Economics and Management	T	2	40	60	100	2018	3	0	0	3	4	5	B
ESC-18101	Basic Electrical Engineering	T	2	40	60	100	2018	3	1	0	4	4	5	B
ESC-18102	Basic Electrical Engineering Laboratory	P	2	30	20	50	2018	0	0	2	1	2	4	B
ESC-18103	Engineering Graphics and Design	T	2	40	60	100	2018	1	0	4	3	1	1	B
MPD-18101***	Mentoring and Professional Development	P	2	50	0	50	2018	0	0	1	0	1	2	B
TOTAL						600					20	22		

* BSC = Basic Science Course; ESC= Engineering Science Course; HSMC =Humanities and Social Sciences including Management courses

MPD= Mentoring and professional development (Core branch subject)

** Group A = Physics Group; Group B = Chemistry Group

*** Marks of this subject are excluded from total marks and minimum of 40% marks are necessary for passing from this non-credit course