

# Sri SatyaSai University of Technology & Medical Sciences, Sehore (M.P.)

FACULTY OF EDUCATION  
DEPARTMENT OF SCIENCE  
ANNUAL SCHEME OF BSC II<sup>ed</sup> YEAR (NEP) SESSION  
2022-23

S.No.	Course Code	Subject	Course Title	Credit	El.	Theory		CCE/Internal		Practical/Project		Total Marks
						Max	Min	Max	Min	Max.	Min.	
<b>Core Course Major( Select any one group)</b>												
Group-A	S2-BOTA1T	Botany	Plant Anatomy and Embryology Paper-I	4	PCB	70	23	30	10	-	-	100
	S2-BOTA1P	Botany Practical	Plant Anatomy and Embryology Practical Paper-I	2	PCB	-	-	30	10	70	23	100
	S2-BOTA2T	Botany	Industrial Botany	4	PCB	70	23	30	10	-	-	100
	S2-BOTA2P	Botany Practical	Industrial Botany Practical Paper-II	2	PCB	-	-	30	10	70	23	100
Group-B	S2-CHEM1T	Chemistry	Reactions, Reagents and Mechanisms in organic chemistry Paper-I	4	PCM/PCB	70	23	30	10	-	-	100
	S2-CHEM1P	Chemistry Practical	Organic Qualitative Analysis, reactions and synthesis Practical Paper-II	2	PCM/PCB	-	-	30	10	70	23	100
	S2-CHEM2T	Chemistry	Transition Elements, Chemi-energetics, phase equilibria Paper-II	4	PCM/PCB	70	23	30	10	-	-	100
	S2-CHEM2P	Chemistry Practical	Metal ComplexPreperation,Thermochemistry and phase equilibria experimnts Paper-II	2	PCM/PCB	-	-	30	10	70	23	100
	S2-COSC1T	Computer Science	Computer Networks and Information Security Paper-I	4	PCM	70	23	30	10	-	-	100

**Sri SatyaSai University of Technology & Medical Sciences, Sehore (M.P.)**

Group-C	S2-COSC1P	Computer Science Practical	Computer Networks and Information Security Practical Paper-I	2	PCM	-	-	30	10	70	23	100
	S2-COSC2T	Computer Science	Object Oriented Programming with Java Paper-II	4	PCM	70	23	30	10	-	-	100
	S2-COSC2P	Computer Science Practical	Java Programming Lab	2	PCM	-	-	30	10	70	23	100
Group-D	S2-MATH1T	Mathematics	Abstract Algebra and Linear Algebra Paper-I	6	PCM	70	23	30	10	-	-	100
	S2-MATH2T	Mathematics	Advanced Calculus And Partial Differential Equations Paper-II	6	PCM	70	23	30	10	-	-	100
Group-E	S2-MBIO1T	Microbiology	Microbial Physiology and Metabolism Paper-I	4	PCB	70	23	30	10	-	-	100

	S2-MBIO1P	Microbiology Practical	Microbial Physiology and Metabolism Practical Paper-I	2	PCB	-	-	30	10	70	23	100
	S2-MBIO2T	Microbiology	Microbial Diversity and Growth Paper-II	4	PCB	70	23	30	10	-	-	100
	S2-MBIO2P	Microbiology Practical	Isolation and Growth Study of Microorganisms Practical Paper-II	2	PCB	-	-	30	10	70	23	100
Group-F	S2-PHYS1T	Physics	Waves and Optics Paper-I	4	PCM	70	23	30	10	-	-	100
	S2-PHYS1P	Physics Practical	Waves and Optics Lab	2	PCM	-	-	30	10	70	23	100

**Sri SatyaSai University of Technology & Medical Sciences, Sehore (M.P.)**

	S2-PHYS2T	Physics	Electricity Magnetism and EMT Paper-II	4	PCM	70	23	30	10	-	-	100
	2-PHYS2P	Physics Practical	Electricity Magnetism and EMT Lab	2	PCM	-	-	30	10	70	23	100
Group-G	S2-ZOOL1T	Zoology	Diversity of chordates and Comparative Anatomy Paper-I	4	PCB	70	23	30	10	-	-	100

	S2-ZOOL1P	Zoology Practical	Chordate zoology Practical Paper-I	2	PCB	-	-	30	10	70	23	100
	S2-ZOOL2T	Zoology	Physiology and Biochemistry Paper-II	4	PCB	70	23	30	10	-	-	100
	S2-ZOOL2P	Zoology Practical	System physiology and Biochemistry Practical Paper-II	2	PCB	-	-	30	10	70	23	100

**MINOR SUBJECT (Select any one Subject other than Major Group)**

1	S2-BOTA2T	Botany	Industrial Botany	4	PCB	70	23	30	10	-	-	100
	S2-BOTA2P	Botany Practical	Industrial Botany Practical	2	PCB	-	-	30	10	70	23	100
2	S2-CHEM2T	Chemistry	Transition Elements, Chemi- energetics, phase equilibria	4	PCM/ PCB	70	23	30	10	-	-	100
	S2-CHEM2P	Chemistry Practical	Metal Complex Preperation, Thermochem istryand phase equilibria experiments	2	PCM/ PCB	-	-	30	10	70	23	100

**Sri SatyaSai University of Technology & Medical Sciences, Sehore (M.P.)**

3	S2-COSC2T	Computer Science	Object Oriented Programming with java	4	PCM	70	23	30	10	-	-	100
	S2-COSC2P	Computer Science Practical	Java Programming Lab	2	PCM	-	-	30	10	70	23	100

4	S2-MATH2T	Mathematics	Advanced Calculus And Partial Differential Equations	6	PCM	70	23	30	10	-	-	100
5	S2-MBIO2T	Microbiology	Microbial Diversity and Growth	4	PCB	70	23	30	10	-	-	100
	S2-MBIO2P	Microbiology Practical	Isolation and Growth Study of Microorganisms	2	PCB	-	-	30	10	70	23	100
6	S2-PHYS2T	Physics	Electricity Magnetism and EMT	4	PCM	70	23	30	10	-	-	100
	S2-PHYS2P	Physics Practical	Electricity Magnetism and EMT Lab	2	PCM	-	-	30	10	70	23	100
7	S2-ZOOL2T	Zoology	Physiology and Biochemistry	4	PCB	70	23	30	10	-	-	100
	S2-ZOOL2P	Zoology Practical	System physiology and Biochemistry	2	PCB	-	-	30	10	70	23	100

Sri SatyaSai University of Technology & Medical Sciences, Sehore (M.P.)

ELECTIVE SUBJECT /GENERIC ELECIIVE (Select any one subject other than Major &Minor subject												
1	S2-BOTA2T	Botany	Industrial Botany	4	PCB	70	23	30	10	-	-	100
	S2-BOTA2P	Botany Practical	Industrial Botany Practical	2	PCB	-	-	30	10	70	23	100
2	S2-CHEM2T	Chemistry	Transition Elements, Chemi- energetics, phase equilibria	4	PCM /PCB	70	23	30	10	-	-	100
	S2-CHEM2P	Chemistry Practical	Metal Complex Preperation,Thermoch emistryand phase equilibria experiments	2	PCM /PCB	-	-	30	10	70	23	100
3	S2-COSC2T	Computer Science	Object Oriented Programming with java	4	PCM	70	23	30	10	-	-	100
	S2-COSC2P	Computer Science Practical	Java Programming Lab	2	PCM	-	-	30	10	70	23	100
4	S2-MATH2T	Mathematics	Advanced Calculus And Partial Differential Equations	6	PCM	70	23	30	10	-	-	100
5	S2-MBIO2T	Microbiology	Microbial Diversity and Growth	4	PCB	70	23	30	10	-	-	100
	S2-MBIO2P	Microbiology Practical	Isolation and Growth Study of Microorganisms	2	PCB	-	-	30	10	70	23	100
6	S2-PHYS2T	Physics	Electricity Magnetism and EMT	4	PCM	70	23	30	10	-	-	100

**Sri SatyaSai University of Technology & Medical Sciences, Sehore (M.P.)**

	S2-PHYS2P	Physics Practical	Electricity Magnetism and EMT Lab	2	PCM	-	-	30	10	70	23	100
7	S2-ZOOL2T	Zoology	Physiology and Biochemistry	4	PCB	70	23	30	10	-	-	100
	S2-ZOOL2P	Zoology Practical	System physiology and Biochemistry	2	PCB	-	-	30	10	70	23	100
8	H2-HSCA 1G	Home Science	Food Product Development	4	Open For All	70	23	30	10	-	-	100
	H2-HSCA 1R	Home Science	Value Added Food Product Development	2	Open For All	-	-	30	10	70	23	100
9	A2-ELIT2G	English Literature	Mass Media and communication skills Paper-I	4	Open For All	70	23	30	10	-	-	100
	A2-ELIT2R	English Literature (Practical)	Experiments With Mass Media and Communication Skills Paper-II (Practical)	2	Open For All			30	10	70	30	100
10	M2-TNTA1G	Tour and Travels Management	Communication skills and Development	6	Open For All	70	23	30	10	-	-	100
11	C2-COMA1G	Fundamentals of Management	Fundamentals of Management	6	Open For All	70	23	30	10	-	-	100
12	A2 BECO2G	Business Economics	Entrepreneurship & Family Business	6	Open For All	70	23	30	10	-	-	100
13	O2- NCCA1G	NCC	NCC Part-II	4	Open For All	70	23	30	10	-	-	100
	O2-NCCA1R	NCC	NCC Training Part-II (Practical)	2	Open For All	-	-	30	10	70	23	100
14	O2-NSSA1G	National Service Scheme	Concept of National Service Scheme	4	Open For All	70	23	30	10	-	-	100
	O2-NSSA1R	National Service Scheme	Project Work	2	Open For All	-	-	30	10	70	23	100

**Sri SatyaSai University of Technology & Medical Sciences, Sehore (M.P.)**

**VOCATIONAL SUBJECT (SELECT ANY ONE)**

1	V1-EEQ-ELCT	Electrical Technology Electrical Technology	Electrical Technology	4	Open For All	50	17	-	-	50	17	100
2	V1-COM-TALT	Accounting and Tally	Accounting and Tally	4	Open For All	50	17	-	-	50	17	100
3	V1-TNT-TTTT	Tourism transport and travel services	Tourism transport and travel services	4	Open For All	50	17	-	-	50	17	100
4	V1-COM-EIMT	Export Import Management	Export Import Management	4	Open For All	50	17	--	-	50	17	100
5	V1-FAS-FASD	Fashion Design	Fashion Design	4	Open For All	50	17	-	-	50	17	100
6	V1-FOO-FPPT	Food Preservation and Processing	Food Preservation and Processing	4	Open For All	50	17	-	-	50	17	100

**FOUNDATION COURSE (COMPULSORY)**

1	X2-FCEA1T	Foundation Course	Hindi Language and Culture	2	Open For All	50	17	-	-	-	-	50
2	X2-FCHB1T	Foundation Course	English Language and Foundation	2	Open For All	50	17	-	-	-	-	50
3	X2-FCAC1T	Foundation Course	Entrepreneurship Development	2	Open For All	50	17	-	-	-	-	50
4		Foundation Course	Women Empowerment	2	Open For All	50	17	-	-	-	-	50

**Inter/Intra Faculty**

1		Field/Project/ Internship	Field/Project/ Internship	4	Open For All	-	-	-	-	100	33	100
---	--	---------------------------	---------------------------	---	--------------	---	---	---	---	-----	----	-----