



# Shri Rawatpura Sarkar University, Raipur

## Faculty of Science

### Three Years B.Sc. Programme

#### Scheme of Teaching and Examination

#### B.Sc. First Semester Biotechnology

Outcome Based Education (OBE) and Choice Based Credit System (CBCS)  
(Effective from the Academic Year 2022-2023)

SN	Course Code	Course Title	Hours/Week			Credits	Maximum Marks			Sem End Exam Duration (Hrs.)
			L	T	P		Continuous Evaluation	Sem. End Exam	Total	
1.	SBS02101T	Biotech I: Cell And Molecular Biology	4	-	-	4	30	70	100	3
2.	SBS02102T	Bioscience I: Animal Diversity	4	-	-	4	30	70	100	3
3.	SBS02103T	Chemistry I: Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	4	-	-	4	30	70	100	3
4.	SBS02111T	English Language	4	-	-	4	30	70	100	3
5.	SBS02191P	Lab Course I: Biotech I	-	-	4	2	15	35	50	5
6.	SBS02192P	Lab Course: II: Chemistry I	-	-	4	2	15	35	50	5
7.	SBS02193P	Lab Course III :Bioscience I	-	-	4	2	15	35	50	5
<b>Total</b>			<b>20</b>	<b>-</b>	<b>12</b>	<b>26</b>	<b>195</b>	<b>455</b>	<b>550</b>	



# Shri Rawatpura Sarkar University, Raipur

## Faculty of Science

### Three Years B.Sc. Programme

#### Scheme of Teaching and Examination

#### B.Sc. Second Semester Biotechnology

Outcome Based Education (OBE) and Choice Based Credit System (CBCS)

(Effective from the Academic Year 2022-2023)

SN	Course Code	Course Title	Hours/Week			Credits	Maximum Marks			Sem End Exam Duration
			L	T	P		Continuous Evaluation	Sem. End	Total	
1.	SBS02201T	Biotech Computational Biology II:	4	-	-	4	30	70	100	3
2.	SBS02202T	Bioscience II: Plant Diversity		-	-	4	30	70	100	3
3.	SBS02203T	Chemistry II: Chemical Energetics, Equilibria & Functional Organic Chemistry		-	-	4	30	70	100	3
4.	SBS02211T	Environmental Studies		-	-	4	30	70	100	3
5.	SBS02291P	Lab Course IV: Biotech II		-	4	2	15	35	50	5
6.	SBS02292P	Lab Course: V: Chemistry II		-	4	2	15	35	50	5
7.	SBS02293P	Lab Course VI : Bioscience II		-	2	2	15	35	50	2
<b>TOTAL</b>						<b>22</b>			<b>550</b>	



**Shri Rawatpura Sarkar University, Raipur**

**Faculty of Science**

**Three Years B.Sc. Programme**

**Scheme of Teaching and Examination**

**B.Sc. Third Semester Biotechnology**

Outcome Based Education (OBE) and Choice Based Credit System (CBCS)

(Effective from the Academic Year 2021-2022)

S. No.	Course Code	Th / Pr	Subject	Type of Course	Teaching Hours / Week			T C	Examination Scheme				Total Marks
					L	T	P		Theory		Practical		
									EX	IN	EX	IN	
1.	SBS02301	Th	Biotech-III: Biochemistry	Core	4	-	-	4	70	30	-	-	100
2.	SBS02302	Th	Biotech-IV: Animal Biotechnology and Genetic Engineering	Core	4	-	-	4	70	30	-	-	100
3.	SBS02303	Th	Bioscience: Plant Physiology and anatomy	Core	4	-	-	4	70	30	-	-	100
4.	SBS02304	Th	Chemistry III:	Core	4	-	-	4	70	30	-	-	100
5.	SBS02311	Th	Research Methodology	AEC C	4	-	-	4	70	30	-	-	100
6.	SBS02391	Pr	Lab Course VII: Biotech-III	Core Practical	-	-	4	2	-	-	35	15	50
7.	SBS02392	Pr	Lab Course VIII: Chemistry	Core Practical	-	-	4	2	-	-	35	15	50
8.	SBS02393	Pr	Lab Course IX : Bioscience	Core Practical	-	-	4	2	-	-	35	15	50
<b>Total</b>					<b>20</b>	<b>12</b>	<b>26</b>						<b>650</b>



# Shri Rawatpura Sarkar University, Raipur

## Faculty of Science

### Three Years B.Sc. Programme

#### Scheme of Teaching and Examination

#### B.Sc. Fourth Semester Biotechnology

Outcome Based Education (OBE) and Choice Based Credit System (CBCS)

(Effective from the Academic Year 2021-2022)

S. No.	CourseCode	Th/Pr	Subject	Type of Course	Teaching Hours / Week			TC	Examination Scheme				Total Marks
					L	T	P		Theory		Practical		
									EX	IN	EX	IN	
1.	SBS02401T	Th	BiotechVI: Immunology And Analytical Techniques	Core	4	-	-	4	70	30	-	-	100
2.	SBS02402T	Th	Biotech VII: Plant Biotechnology	Core	4	-	-	4	70	30	-	-	100
4.	SBS02451T		Chemistry IV: Transition Metal & Coordination Chemistry, States Of Matter & Chemical Kinetics	GE	4	-	-	4	70	30	-	-	100
5.	SBS02452T		Bioscience IV: ANATOMY AND REPRODUCTIVE BIOLOGY/Human physiology	GE									
5.	SBS02411T	Th	Mushroom Technology	SEC	4	-	-	4	70	30	-	-	100
6.	SBS02491P	Pr	Lab Course X: Biotech VI	Core practical	-	-	4	2	-	-	35	15	50
7.	SBS02492P	Pr	Lab Course XI: Biotech VII	Core practical	-	-	4	2	-	-	35	15	50
8.	SBS02493P	Pr	Lab Course XII : Chemistry IV/Bioscience IV	Core practical	-	-	4	2	-	-	35	15	50
<b>Total</b>					<b>16</b>	<b>12</b>	<b>22</b>						<b>550</b>



# Shri Rawatpura Sarkar University, Raipur

## Faculty of Science

### Three Years B.Sc. Programme

#### Scheme of Teaching and Examination

#### B.Sc. Fifth Semester Biotechnology

Outcome Based Education (OBE) and Choice Based Credit System (CBCS)

(Effective from the Academic Year 2021-2022)

S. No.	Course Code	Th / Pr	Subject	Type of Course	Teaching Hours / Week			T C	Examination Scheme				Total Marks
					L	T	P		Theory		Practical		
									EX	IN	EX	IN	
1	SBS02531T	Th	Biotech IX: B.Molecular Biology	Core	4	-	-	4	70	30	-	-	100
2	SBS02532T	Th	Biotech X: Bioenergetics & Metabolism	Core	4	-	-	4	70	30	-	-	100
3	SBS02533T	Th	Biotech XI: Genetic Engineering	Core	4	-	-	4	70	30	-	-	100
4	SBS02551T	Th	Chemistry V: Analytical Methods In Chemistry	GE	4	-	-	4	70	30	-	-	100
5	SBS02551T	Th	Bioscience V: Plant Ecology	GE									
5	SBS02591P	Pr	Lab Course XIII: Biotech IX	LAB	-	-	4	2	-	-	35	15	50
6	SBS02592P		Lab Course XIII: Biotech XI	LAB	-	-	4	2	-	-	35	15	50
7	SBS02593P	pr	Lab Course XIV: Chemistry V/ Bioscience V Lab	LAB	-	-	4	2	-	-	35	15	50
<b>Total</b>					<b>16</b>	<b>8</b>		<b>22</b>					<b>550</b>



# Shri Rawatpura Sarkar University, Raipur

## Faculty of Science

### Three Years B.Sc. Programme

#### Scheme of Teaching and Examination

#### B.Sc. Sixth Semester Biotechnology

Outcome Based Education (OBE) and Choice Based Credit System (CBCS)

(Effective from the Academic Year 2021-2022)

S. No	CourseCode	Th / Pr	Subject	Type of Course	Teaching Hours / Week			T C	Examination Scheme				Total Marks
					L	T	P		Theory		Practical		
									EX	IN	EX	IN	
1	SBS02601T	Th	Biotech XII: Introductory Bioinformatics	Core	4	-	-	4	70	30	-	-	100
2	SBS02602T	Th	Biotech XIII: Plant tissueculture	Core	4	-	-	4	70	30	-	-	100
3	SBS02603T	Th	Biotech XIV: Instrumentation	Core	4	-	-	4	70	30	-	-	100
4	SBS02651T	TH	Chemistry VI: Industrial Chemistry	GE	4	-	-	4	70	30	-	-	100
	SBS02652T	Th	Bioscience VI: Animal Physiology And Life Sustaining Systems	GE									
5	SBS02691P	Pr	Lab Course XV: Combining Biotech XII XIII, XIV				2	2			35	15	50
6	SBS02692P		Lab Course XVI: Chemistry VI/ Bioscience VI lab				2	2			35	15	50
7	SBS02693P		Project				6	6			35	15	150
<b>Total</b>					<b>16</b>	<b>10</b>	<b>26</b>					<b>650</b>	

