

**SRI VENKATESWARA UNIVERSITY::TIRUPATI**  
**S.V.U. COLLEGE OF SCIENCES;**  
**DEPARTMENT OF BIO-CHEMISTRY**  
**(Syllabus common for SV University College and affiliated by SVU Area**  
**W.E.F. 2022-2023**  
**SCHEME OF INSTRUCTION AND EXAMINATION**

**M.Sc. BIO-CHEMISTRY**

**THRID SEMESTER**

Components of Study	Course Code	Title of the course	No. of hours	No. of credits	IA Marks	Sem. End Exam marks	Total
Core Theory	Bot-301	Immunology	6	4	20	80	100
Core Theory	Bot-302	Ecology and Evolution	6	4	20	80	100
Generic Elective	Bot-303a	Endocrinology	6	4	20	80	100
	Bot-303b	Plant Biochemistry (Students has to opt one paper)					
Practical	Bot-304	Molecular Biology Practicals	6	4	--	100	100
Skilled Oriented Course	Bot-305	Clinical Biochemistry Clinical Biochemistry Practicals (Skill oriented course)	6	4	10	40	50
					--	50	50
Open Elective	Bot-306a	a) Analytical methods	6	4	20	80	100
	Bot-306b	b) Environmental Biochemistry student has to opt one paper * MOOCS (4 extra credits)					
<b>Total :</b>			<b>36</b>	<b>24</b>	<b>--</b>	<b>--</b>	<b>600</b>

**M.Sc. IMMUNOLOGY**

**THRID SEMESTER**

Components of Study	Course Code	Title of the course	No. of hours	No. of credits	IA Marks	Sem. End Exam marks	Total
Core Theory	IMY-301	Immunology	6	4	20	80	100
Core Theory	IMY-302	Ecology and Evolution	6	4	20	80	100
Generic Elective	IMY-303	a) Molecular Endocrinology	6	4	20	80	100
		b) Developmental Biology (Students has to opt one paper)					
Practical	IMY-304 P	Molecular Biology Practicals	6	4	--	--	100
Skilled Oriented Course	IMY-305	Clinical Biochemistry Theory Clinical Biochemistry Practicals (Skill oriented course)	6	4	10	40	50
					--	50	50
Open Elective	IMY-306	a) Basics of Immunology	6	4	20	80	100
		b) Immunotechniques (Students has to opt one paper) * MOOCS (4 extra credits)					
<b>Total :</b>			<b>36</b>	<b>24</b>	<b>--</b>	<b>--</b>	<b>600</b>

**SRI VENKATESWARA UNIVERSITY:: TIRUPATI**  
**MODEL QUESTION PAPER**  
**M.Sc. BIO-CHEMISTRY DEGREE EXAMINATION**  
Third Semester  
(CBCS with effect from academic year 2023 – 2024 onwards)

**BCH 305a:CLINICAL BIOCHEMISTRY (SKILL ORIENTED COURSE)**

**Time:3hrs**

**Max Marks: 40**

**SECTION – A**  
**Answer Four questions**  
**One from each unit**

**(4X2=8 Marks)**

1. Unit 1
2. Unit 1
3. Unit 2
4. Unit 2
5. Unit 3
6. Unit 3
7. Unit 4
8. Unit 4

**SECTION– B**  
**Answer four questions**  
**One from each unit**

**(4X8=32 Marks)**

1. Unit 1 a or b
2. Unit 2 a or b
3. Unit 3 a or b
4. Unit 4 a or b

**SRI VENKATESWARA UNIVERSITY:: TIRUPATI**  
**M.Sc. Bio-chemistry (Immunology)**

**MODEL QUESTION PAPER**

**IMY305a:SOC:CLINICAL IMMUNOLOGY**  
**IIIrd SEMESTER**  
**(SKILL ORIENTED COURSE)**

**Time:3hrs**

**Max Marks: 40**

**SECTION – A**

**Answer Four questions**  
**One from each unit**

**(4X2=8 Marks)**

1. Unit 1
2. Unit 1
3. Unit 2
4. Unit 2
5. Unit 3
6. Unit 3
7. Unit 4
8. Unit 4

**SECTION– B**

**Answer four questions**  
**One from each unit**

**(4X8=32 Marks)**

1. Unit 1 a or b
2. Unit 2 a or b
3. Unit 3 a or b
4. Unit 4 a or b