

Revised Common Framework of CBCS for Colleges in Andhra Pradesh

B.Sc (Mi.Bi.C) - SEMESTER – I

S. No	Course	Total Marks	Internal Exam	Sem End Exam	Teaching Hours	Credits
1	First Language English Portal	100	25	75	4	3
2	Second Language (Sanskrit/Telugu/Hindi)	100	25	75	4	3
3	<i>Foundation course -2</i> Environmental Studies	50	0	50	2	2
4	<i>Foundation Course - 1</i> Human Values & Professional Ethics	50	0	50	2	2
5	Biomolecules	100	25	75	4	3
6	Biomolecules - Practical	50	0	50	2	2
7	Inorganic and Organic Chemistry	100	25	75	4	3
8	Inorganic and organic Chemistry - Practical	50	0	50	2	2
9	Introductory Microbiology – Microbial Techniques and Biology of Microorganisms	100	25	75	4	3
10	Introductory Microbiology – Microbial Techniques and Biology of Microorganisms - Practical	50	0	50	2	2
	Total	750	125	625	30	25

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W.E.F. 2016-17

B.Sc (Mi.Bi.C) - SEMESTER – II

S. No	Course	Total Marks	Internal Exam	Sem End Exam	Teaching Hours	Credits
1	First Language English	100	25	75	4	3
2	Second Language (Tel/Hin/Urdu/Sans...)	100	25	75	4	3
3	<i>Foundation course – 3</i> ICT – I Information and Communication Technology - I	50	0	50	2	2
4	<i>Foundation course – 4</i> CSS – I Communication and Soft Skills-I (Skill pro-1)	50	0	50	2	2
5	Nucleic Acids and biochemical Techniques	100	25	75	4	3
6	Nucleic Acids and Biochemical Techniques - Practical	50	0	50	2	2
7	Physical and general chemistry	100	25	75	4	3
8	Physical and General Chemistry - Practical	50	0	50	2	2
9	Microbial Biochemistry and Metabolism	100	25	75	4	3
10	Microbiology: Microbial Biochemistry and Metabolism - Practical	50	0	50	2	2
	Total	750	125	625	30	25

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W.E.F. 2016-17

B.Sc (Mi.Bi.C) - SEMESTER – III

S. No	Course	Total Marks	Internal Exam	Sem End Exam	Teaching Hours	Credits
1	First Language English	100	25	75	4	3
2	Second Language (Sanskrit/Telugu/Hindi)	100	25	75	4	3
3	Foundation Course - 5 Entrepreneurship	50	0	50	2	2
4	Foundation course– 6 CSS – II Communication and Soft Skills-II(Skill pro-2)	50	0	50	2	2
5	Microbial Genetics and Molecular Biology - theory	100	25	75	4	3
6	Microbial Genetics and Molecular Biology - Practical	50	0	50	2	2
7	Enzymology and Bioenergetics	100	25	75	4	3
8	Practical Enzymology and Bioenergetics - Practical	50	0	50	2	2
9	Inorganic and Organic Chemistry	100	25	75	4	3
10	Inorganic and Organic Chemistry - Practical	50	0	50	2	2
	Total	750	125	625	30	25

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B.Sc (Mi.Bi.C)) - SEMESTER – IV

Sno	Course	Total Marks	Internal Exam	Sem End Exam	Teaching Hours**	Credits
1	Foundation Course – 7 CSS – 3 Communication and Soft Skills-III	50	0	50	2	2
2	Foundation Course – 8 Analytical Skills	50	0	50	2	2
3	Foundation Course - 9 ICT – II Information and Communication Technology - II	50	0	50	2	2
4	Foundation course – 10 Leadership Education	50	0	50	2	2
5	Immunology and Medical Microbiology	100	25	75	4	3
6	Immunology and Medical microbiology - Practical	50	0	50	2	2
7	Intermediary Metabolism	100	25	75	4	3
8	Quantitative Analysis - Practical	50	0	50	2	2
9	Spectroscopy and Physical Chemistry	100	25	75	4	3
10	Spectroscopy and Physical Chemistry - Practical	50	0	50	2	2
	Total	650	75	575	26	23

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W.E.F. 2016-17

B.Sc (Mi.Bi.C) - SEMESTER – V

Sno	Course	Total Marks	Internal Exam	Sem End Exam	Teaching Hours**	Credits
1	Physiology, Clinical Biochemistry and Immunology	100	25	75	4	3
2	Basic Microbiology	100	25	75	4	3
3	Basic Microbiology - Practical	50	0	50	2	2
4	Inorganic, Organic and Physical Chemistry	100	25	75	4	3
5	Inorganic, Organic and Physical Chemistry - Practical	50	0	50	2	2
6	Environmental and Agricultural Microbiology	100	25	75	4	3
7	Environmental and Agricultural Microbiology - Practical	50	0	50	2	2
8	Food and Industrial Microbiology	100	25	75	4	3
9	Food and Industrial Microbiology - Practical	50	0	50	2	2
	Total	700	125	575	28	23