

B. Sc. — III Biotechnology (Entire) CBC S PATTERN (2020-21)

S E M E S T E R — V (Duration — 6 Months)

Sr. No	Course Title	Teaching Scheme						Examination scheme										
		Theory			Practical			Theory						Practical				
		No. of lectures	Hours	Credits	No. of Lectures	Hours	Credits	Max.	Min.	Hours	Max.	Min.	Hours	Max.	Min.	Max.	Min.	Hours.
1	DSE-E1	3	2.4	2	20	16	8	40	14	2	10	4	1	50	18	Practical examination is annual		
2	DSE-E2	3	2.4	2				40	14	2	10	4	1	50	18			
3	DSE-E3	3	2.4	2				40	14	2	10	4	1	50	18			
4	DSE-E4	3	2.4	2				40	14	2	10	4	1	50	18			
4	AECC-E	4	3.2	4	-	-	-	40	14	2	10	4	1	50	18			
	Total	16	12.8	12	20	16	8	200			50			250				
Semester-VI(duration 6 months)																		
6	DSE-F1	3	2.4	2	20	16	8	40	14	2	10	4	1	50	18	200	70	As per BOS Guidelines
7	DSE-F2	3	2.4	2				40	14	2	10	4	1	50	18			
8	DSE-F3	3	2.4	2				40	14	2	10	4	1	50	18			
9	DSE-F4	3	2.4	2				40	14	2	10	4	1	50	18			
10	AECC-F	4	3.2	4	-	-	-	40	14	2	10	4	1	50	18			
	Total	16	12.8	12	20	16	8	200			50			250	-	200		
	Total	32	25.6	24	40	32	16	400			100			500	-	200		

• Student contact hours per week : 32 Hours (Min)

• Total Marks for B.Sc.-III (Including AECC (E & F) : English) : **700**

• **Total** Marks for B.Sc.-III (Excluding AECC) : **600**

• Theory and Practical Lectures : 48 Min. Each

• Total Credits for B.Sc.-III (Semester V & VI) : (with English)-**40**, (Without English) - **32**

- DSE- **Discipline** Specific Elective. All papers are compulsory.
- **AECC- Ability Enhancement Compulsory** Course (E & F) : **English**
- Practical Examination will be conducted annually for 200 Marks.
- There shall be *Separate passing is mandatory for Theory, Internal and Practical.*

Title of Papers for Semester V & VI with subject code for both Theory and Practical B.Sc.III Biotechnology (Entire) 2020-21

Theory

Course code	Name of Paper	Course code	Name of Paper
Semester V		Semester VI	
DSE 1355 -E	Basics in Genetic Engineering	DSE 1355 -F	Advances in Genetic Engineering
DSE 1356-E	Industrial Biotechnology	DSE 1356 -F	Food and Microbial Biotechnology
DSE 1357-E	Application of Biotechnology in Agriculture	DSE 1357 -F	Application of Biotechnology in Health
DSE 1358-E	Developmental Biology (Plant and Animal)	DSE 1358 -F	Bioinformatics
AECC-E-1501	English	AECC-F-1501	English

Practical

DSE 1360 (Practical VIII)	Techniques in Genetic engineering and Bioinformatics	DSE 1362 (Practical X)	Techniques in Agricultural and health Biotechnology
DSE 1361 (Practical IX)	Techniques in Industrial Biotechnology	DSE 1363 (Practical XI)	Project