



**SARDAR PATEL UNIVERSITY, VALLABH VIDYA NAGAR**  
**Course Structure of M.Sc. Biomedical Science, Semester- IV**  
**(Effective from Academic Year 2020-21)**  
**Choice- I: Four Theory+ Project Work**

Course Code	Course Title	Teaching Scheme (Hours Per week)					Evaluation (Marks)		
		L	S	P	Total Hrs	Total Credits	Internal	External	Total
PT04CBMC21	Molecular Diagnostic Techniques	3	1	-	4	4	30	70	100
PT04CBMC22	Medical Imaging Techniques	3	1	-	4	4	30	70	100
PT04CBMC23	Animal Cell Culture and Gene Therapy	3	1	-	4	4	30	70	100
PT04EBMC21	Developmental Biology	3	1	-	4	4	30	70	100
PT04EBMC22	Omics and Computational Biology	3	1	-	4	4	30	70	100
PT04EBMC23	Biodynamics	3	1	-	4	4	30	70	100
PT04CBMC24	Project Work	-	-	12	12	8	60	140	200
PT04CBMC25	Comprehensive Viva	-	-	-	1	1	-	50	50

Credits (per semester\*)

Theory + Seminar 16

Project Work 08

Comprehensive Viva 01

Total 25

**Choice- II: Two Theory+ One Practical Course +Project Work**

Course Code	Course Title	Teaching Scheme (Hours Per week)					Evaluation (Marks)		
		L	S	P	Total Hrs	Total Credits	Internal	External	Total
PT04CBMC21	Molecular Diagnostic Techniques	3	1	-	4	4	30	70	100
PT04CBMC22	Medical Imaging Techniques	3	1	-	4	4	30	70	100
PT04CBMC26	Practical based on PT04CBMC21 and PT04CBMC22	-	-	8	8	4	30	70	100
PT04CBMC27	Project Work	-	-	12	12	12	90	210	300
PT04CBMC28	Comprehensive Viva	-	-	-	1	1	-	50	50

Credits (per semester\*)

Theory + Seminar 08

Practical 04

Project Work 12

Comprehensive Viva 01

Total 25

**Choice- III: Project Work (06 months)**

Course Code	Course Title	Total Credits	Evaluation (Marks)
PT04CBMC29	Project Work	24	600
PT04CBMC30	Comprehensive Viva	1	50

Credits (per semester\*)

Project Work	24
Comprehensive Viva	01
Total	25