

T.K.M. College of Arts and Science, Kollam

Department of Biochemistry

Certificate Course in Fundamentals of Tissue Engineering

REPORT

The Department of Biochemistry conducted a certificate course in '**Fundamentals of Tissue Engineering**' during the academic year 2023-24. The course is offered to sixth semester undergraduate and fourth semester postgraduate students. The course gives the students exposure to tissue engineering and its applications in biomedical fields. After successfully completing the **Certificate Course in Fundamentals of Tissue Engineering**, students should be able to:

1. Define key concepts in tissue engineering.
2. Explain the structure and function of extracellular matrix (ECM).
3. Describe the types and sources of scaffolds used in tissue engineering.
4. Discuss the role of cells in tissue regeneration.
5. Identify various biomaterials and their applications.
6. Explain the significance of bioreactors in tissue culture.
7. Outline the steps in designing a tissue-engineered construct.
8. Analyze methods to assess tissue functionality and viability.
9. Recognize ethical issues in tissue engineering research.
10. Apply tissue engineering principles in healthcare innovations.

Course Duration: The course duration was 30 hours

Assessment: An examination based on multiple choice questions was conducted.

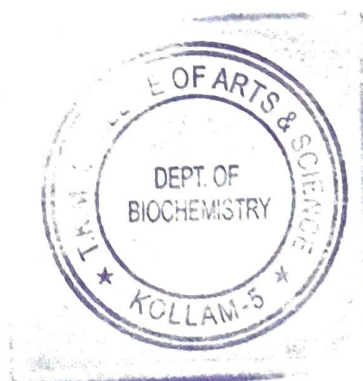
A Grade: 80% and above,

B Grade: 60-79%,

C Grade: 40-59%,

D Grade: Below 40%

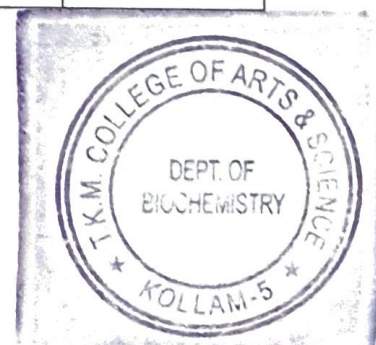
Out of 34 students enrolled, 28 students secured A grade, 3 B grade and 3 C grade.



COURSE RESULT 2023 – 2024

III B. Sc. BIOCHEMISTRY

Sl. No.	Name of the candidate	Class No.	Admission No.	Candidate Code	Grade Secured
1	AHZIN. N	2302	58133	23821142002	A
2	DEVIKA VIJAYAN D	2303	58346	23821142003	B
3	FARHANA H	2304	57918	23821142004	A
4	FATHIMA S	2305	57943	23821142005	A
5	LIYA ELZA JOSEPH	2306	58156	23821142006	A
6	THASBEERA N	2309	58083	23821142009	B
7	ABHIJITH A	2310	58078	23821142011	C
8	ABHIJITH. S	2311	58077	23821142010	C
9	AJMAL MUHAMMAD S	2312	57702	23821142013	A
10	AKSHAY.S	2313	57841	23821142014	B
11	ABHITHA T PILLAI	2314	58149	23821142012	A
12	ANAGHA. R	2315	57817	23821142015	C
13	DRISHYA G RAJESH	2316	57641	23821142016	A
14	MIDHUNA V	2320	57834	23821142019	A
15	NAKSHATHRA R	2321	57788	23821142020	A
16	PARVATHI.R	2322	57638	23821142021	A
17	SIVAKAMI R	2323	57736	23821142022	B
18	SUBUHANA RAHMAN M	2324	58317	23821142024	A
19	ASLIYA SALIM	2325	58010	23821142023	A
20	SUFIA. S	2326	58111	23821142025	A



II M. Sc. BIOCHEMISTRY

Sl. No.	Name of the candidate	Admission No.	Candidate Code	Grade Secured
1	Abeera B.N.	58850	63822142001	A
2	Akhila M.R.	59089	63822142003	A
3	AmeenaAnsar	58524	63822142004	A
4	Ameena S.	58522	63822142005	A
5	Anagha S.M.	58774	63822142006	A
6	Anjali S.	58876	63822142007	A
7	FarsanaNajeem	58769	63822142008	A
8	Fathima N.	58772	63822142009	A
9	Haleema R.	58840	63822142010	A
10	Haritha H.B.	58561	63822142011	A
11	Haritha Krishnan R.	59032	63822142012	A
12	R.Fathima	58848	63822142013	A
13	RakhiAngelin S.T.	58523	63822142014	A
14	Sereena D.	59080	63822142015	A

