

Academic year 2021-22

8

Dts 20/4/22

Certificate course on 'Gene therapy'

1. Dept. of Biotechnology resolved to introduce certificate course on 'Gene therapy' in the academic year 2021-22.
2. The total duration of the course is 30 hrs. of teaching and no. practicals.
3. The number of students will be limited to 20 to 30 students.
4. Valuation is based on both continuous attendance (75% minimum) and final examination without any internal exam.
5. Final examination will be held for 40 marks.
Those who will score minimum 50% of marks (20 marks) will be treated as successful candidates in this certificate course.

[Signature]



**Government Degree College,
Khairatabad,
Department of Biotechnology,
Hyderabad, T.S.-500 004.**



Certificate

This is to certify that Mr./Miss. _____ of this college has successfully completed certificate course on "Gene Therapy" conducted from 25.04.2022 to 31.05.2022 in the academic year 2021-22.

Head of the Department

Principal

Certificate Course in Gene Therapy

Syllabus

duration of the course: 30 hrs

1. Introduction
2. Non-viral vectors in gene therapy
3. Liposomes in gene therapy
4. Lipoplexes and polyplexes in gene therapy
5. Naked DNA in gene therapy
6. Immunotherapy
7. Gene therapy for infectious disease
8. virosome
9. Types of Gene therapy
10. Somatic cell gene therapy
11. Target site for gene therapy
12. Transcriptional targeting approach
13. Germline gene therapy
14. Steps of germline gene therapy
15. Gene replacement
16. Gene addition
17. In situ gene therapy
18. In vivo gene therapy
19. modification by in vivo & ex vivo gene therapy
20. Gene supplementation
21. Gene replacement
22. Targeted inhibition of gene function
23. Targeted killing of the cells
24. mechanism of suicidal gene therapy.

Attendance

Certificate course on Gene Therapy

S.No	Name of the student	25/4	26/4	27/4	28/4	29/4	30/4	2/5	5/5	6/5	7/5	9/5	10/5
1.	Ajay chary Srimanthula	1	2	3	4	5	6	7	8	9	10	11	11
2.	Shruvika	1	2	3	4	5	6	7	8	9	10	11	12
3.	Chekuri Nikhil	1	2	3	4	5	6	7	8	9	10	11	12
4.	D. Mahesh	1	2	3	4	5	6	7	8	9	10	11	12
5.	G. Teevan Kumar	1	2	3	4	5	6	7	8	9	10	10	11
6.	G. Vanshika	1	2	3	4	5	6	7	8	9	10	11	12
7.	K. Maheshwari	1	2	3	4	5	6	7	8	9	10	11	12
8.	M. Srikanth	1	2	3	4	5	6	7	8	9	10	11	12
9.	Md. Sohail Uddin	1	2	3	4	5	6	6	7	8	9	10	11
10.	T. Gowthami	1	2	3	4	5	6	7	8	9	9	10	11
11.	A. Prathap	1	2	3	4	5	6	7	8	8	9	10	11
12.	B. Bhandhari	1	2	2	3	4	5	6	7	8	9	10	11
13.	Esther Rani	1	2	3	4	5	6	7	7	8	9	10	10
14.	G. Srikanth	1	2	3	4	5	6	6	7	8	9	10	11
15.	J. Srikanth	1	2	3	4	4	5	6	7	8	9	10	11
16.	J. Jaspal Nair	1	2	3	4	5	6	7	8	8	9	10	11
17.	J. Anandhathi	1	2	3	4	5	6	6	7	8	8	9	10
18.	K. Chandana	1	2	3	4	5	6	7	8	8	9	10	11
19.	M. Bhargani	1	2	3	4	5	6	7	8	9	10	11	12
20.	P. Nikhitha	1	2	3	4	5	6	7	8	9	10	11	12
21.	S. Annapurna	1	2	3	4	5	6	7	8	9	10	11	12
22.	V. Sriram	1	2	3	4	5	6	7	8	8	9	10	11

11/5	12/5	13/5	14/5	16/5	17/5	18/5	19/5	20/5	21/5	22/5	23/5	24/5	25/5	26/5	27/5	28/5	30/5	31/5	Result
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	31	P
13	14	14	15	16	17	18	19	20	21	22	23	24	24	25	26	27	28	28	P
13	14	15	16	17	18	19	20	21	22	23	24	25	25	26	27	28	29	27	P
13	14	15	16	17	17	18	19	20	21	22	23	24	25	26	27	27	28	29	P
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	25	P
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	26	P
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	28	P
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	30	P
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	32	P
12	13	14	14	15	16	17	18	19	20	20	21	22	23	24	25	26	27	31	P
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	28	P
12	13	13	14	15	16	17	18	19	20	21	22	23	24	25	26	26	27	29	P
11	12	13	14	15	16	17	18	19	20	21	21	22	23	24	25	25	26	32	P
12	13	14	15	16	17	18	18	19	20	21	22	23	24	25	26	27	28	31	P
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	P
12	13	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	28	P
11	12	13	14	15	16	17	18	18	19	20	21	22	23	24	25	26	27	31	P
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	26	27	28	29	P
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	30	P
13	14	15	16	16	17	18	19	20	21	22	23	24	25	26	27	28	29	26	P
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	27	P
12	13	14	15	16	17	18	19	20	20	21	21	23	24	25	26	27	28	26	P

Pass%: 100%