



MANAV RACHNA  
vidyaparishad

# MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES



(Deemed to be University under Section 3 of the UGC Act, 1956)

## CONSOLIDATED TRANSCRIPT

M.Sc. (BIOTECHNOLOGY)

FINAL SEMESTER EXAMINATION PASSED IN : MAY-JUNE, 2022

NAME : ADITI  
FATHER'S NAME : MANMOHAN JAKHMOLA

ROLL NO. : 1/20/FET/MSB/003  
UNIV REGN NO. : 20/FET/0308

### Semester - 1

Subject Code	Subject	Credit (C)	Grade	Grade Point (G)
MS-BT-101	CELL AND MOLECULAR BIOLOGY	3	A+	9
MS-BT-102	MICROBIAL PHYSIOLOGY AND GENETICS	3	A	8
MS-BT-103	BIOMOLECULES	3	A+	9
MS-BT-104	BIOANALYTICAL TECHNIQUES	3	A+	9
MS-BT-105	BIOSTATISTICS	3	A+	9
MS-BT-151	CELL BIOLOGY LAB	1.5	A+	9
MS-BT-152	MOLECULAR BIOLOGY LAB	1.5	A+	9
MS-BT-153	MICROBIOLOGY LAB	1.5	A+	9
MS-BT-154	BIOANALYTICAL TECHNIQUES LAB	1.5	A+	9
MS-BT-100	INDEPENDENT STUDY SEMINAR	1	A+	9
SGPA		8.87		
Credits Earned		22.0		

### Semester - 2

Subject Code	Subject	Credit (C)	Grade	Grade Point (G)
MS-BT-201	GENETIC ENGINEERING AND APPLICATIONS	3	A+	9
MS-BT-202	BIOPROCESS TECHNOLOGY	3	A	8
MS-BT-203	BIOINFORMATICS AND COMPUTATIONAL BIOLOGY	3	A+	9
MS-BT-222	IMMUNOLOGY	3	A+	9
MS-BT-251	GENETIC ENGINEERING LAB	1.5	O	10
MS-BT-252	FERMENTATION TECHNOLOGY LAB	1.5	A	8
MS-BT-253	BIOINFORMATICS LAB	1	A	8
MS-BT-200	PROJECT PHASE-I	2	A+	9
PT-OE-002	HEALTH AND FITNESS EDUCATION	3	A	8
SGPA		8.67		
Credits Earned		21.0		

### Semester - 3

Subject Code	Subject	Credit (C)	Grade	Grade Point (G)
MS-BT-301	PLANT BIOTECHNOLOGY	3	A+	9
MS-BT-302	ENVIRONMENT BIOTECHNOLOGY	3	A+	9
MS-BT-303	FOOD AND ENZYME BIOTECHNOLOGY	3	A+	9
MS-BT-322	ANIMAL BIOTECHNOLOGY	3	A	8
MS-BT-324	STEM CELL AND REGENERATIVE MEDICINE	3	A+	9
MS-BT-351	CELL AND TISSUE CULTURE LAB	1.5	O	10
MS-BT-352	ENVIRONMENT BIOTECHNOLOGY LAB	1	A+	9
MS-BT-353	FOOD AND ENZYME BIOTECHNOLOGY LAB	1.5	O	10
MS-BT-300	PROJECT PHASE-II	2	A+	9
SGPA		9.00		
Credits Earned		21.0		

### Semester - 4

Subject Code	Subject	Credit (C)	Grade	Grade Point (G)
MS-BT-400	DISSERTATION	16	A+	9
SGPA		9.00		
Credits Earned		16.0		
CGPA		8.88		
Total Credits Earned		80.0		
Examination Passed in		MAY-JUNE, 2022		

Checked By:

Prepared By:

Date of Issue : November 30, 2022

Controller of Examinations

GRADE	GRADE POINT	DESCRIPTION OF PERFORMANCE
O	10	Outstanding
A+	9	Excellent
A	8	Very Good
B+	7	Good
B	6	Above Average
C	5	Average
P	4	Pass
F	0	Fail
ABS	0	Absent
AP		Audit Pass

$$SGPA = \frac{\sum (C \times G) \text{ for each course with atleast pass grade in a particular semester}}{\sum (C) \text{ for each semester}}$$

$$CGPA = \frac{\sum (C \times G) \text{ for each course with atleast pass grade in all completed semesters}}{\sum (C) \text{ for all completed semesters}}$$

Note : Conversion of SGPA / CGPA to Percentage Marks:  
 SGPA / CGPA obtained by a student shall be multiplied by a factor of 10.0 to convert it to percentage marks.  
 Example : SGPA / CGPA of 6.4 is equivalent to  $6.4 \times 10 = 64\%$  marks

## MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES

MRIIRS Aravalli Campus: Sector-43, Delhi-Surajkund Road, Faridabad  
 E-mail: [info@mriirs.edu.in](mailto:info@mriirs.edu.in) URL: [www.mriirs.edu.in](http://www.mriirs.edu.in)