



2.6.2

CO-PO Attainment

B. Sc. (Biotech.)

(2020-21)

2016-2021

SSR : 1st Cycle of Accreditation

RNB GLOBAL UNIVERSITY

RNB Global City, Ganganagar Road,
Bikaner, Rajasthan 334601

B.Sc. (Biotechnology)
CO Attainment Report

Session 2020-21, IV Semester, July, 2021

S. No.	Code	Course	Target CO Level	Achieved CO Attainment Level	Target CO Attainment for Next Year
1	13002000	Chemistry IV	4	3.07	4
2	13011500	Environmental Biotechnology	4	2.90	4
3	13009100	Molecular Biology	4	2.9	4
4	13017000	Renewable Energy	2	1.89	2
5	13011200	Research Methodology	2	1.99	2

The calculation of attainment level has been done as per procedure of RNB Global University.
 Attachment: Calculation sheet of CO attainment from TR.

Remarks:

13002000	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	3	2	2	2	2	2	2	2		3
CO2	3	3	2	3		2	2	2	2	2		3
CO3	3	3	2	3	3	2	3	3	2	2	3	2
CO4	3	3	3	2	3	2	2	3	2	2	2	2
CO5	3	3	2	3	2	2	3	1	2	2	3	2
Average	3	3	2.4	2.6	2.5	2	2.4	2.2	2	2	2.66	2.4
Attainment	2.30	2.30	1.84	1.95	1.918	1.53	1.84	1.68	1.53	1.53	2.04	1.84

13007000	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	2	2	2	2	2	2	2	2		2
CO2	3	3	2	2		2	2	2	1	1		1
CO3	3	3	3	3	2	3	2	1	2	3	2	3
CO4	3	3	3	2	3	3	3	3	3	3	3	3
CO5	3	3	2	2	3	2	3	3	3	2	3	2
Average	3	3	2.4	2.2	2.5	2.4	2.4	2.2	2.2	2.2	2.66	2.2
Attainment	2.83	2.83	2.26	2.07	2.36	2.26	2.26	2.07	2.07	2.07	2.52	2.07



13009100	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012
C01	3	3	3	2	2	2	2	2	2	2		3
C02	3	3	3	2	2	2	2	2	2	2		1
C03	3	3	2	3	2	2	3	1	2	2	2	2
C04	3	3	2	2	2	2	3	3	2	2	3	2
C05	3	3	1	3	2	2	3	1	2	2	2	2
Average	3	3	2.2	2.4	2	2	2.6	1.8	2	2	2.33	2
Attainment	2.17	2.17	1.59	1.74	1.45	1.45	1.88	1.30	1.45	1.45	1.69	1.45

13011200	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012
C01	2	3	2	3	3	2		2	1	3	3	3
C02	2	3	2	3	2	3		3	2	3	3	3
C03	2	3	3	3	2	2		2	2	3	3	3
C04	2	3	3	3	3	2		2	2	3	3	3
C05	3	3	2	3	3	2	3	3	3	2	2	2
Average	2.2	3	2.4	3	2.6	2.2	3	2.4	2	2.8	3	2.8
Attainment	2.18	2.98	2.38	2.98	2.58	2.18	2.98	2.38	1.99	2.78	2.95	2.78

13011500	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012
C01	3	3	2	1		2		2	2	2		2
C02	3	3	1	2		2		2	2	1		2
C03	3	3	2	2	2	3		2	3	3	2	3
C04	3	3	3	3	2	3		2	3	3	2	3
C05	3	3	3	2	3	3	3	3	2	2	3	2
Average	3	3	2.2	2	2.33	2.6	3	2.2	2.4	2.2	2.33	2.4
Attainment	2.17	2.17	1.59	1.45	1.69	1.88	2.17	1.55	1.74	1.59	1.69	1.74



Faculty of Basic and Applied Sciences

B. Sc. (Biotechnology)

CO Attainment Report

Session 2020-21, V Semester, Dec., 2020

S. No.	Code	Course	Target CO Level	Achieved CO Attainment Level	Target CO Attainment for Next Year
1	13012100	Biological Data Base Management	2	1.67	2
2	13007000	Chemistry	4	2.9	4
3	13010000	Application of IT Skills	3	2.54	3
4	13011500	Immunology	4	2.80	4
5	13011900	Bioinformatics	4	2.98	4

The calculation of attainment level has been done as per procedure of RNB Global University.

Attachment: Calculation sheet of CO attainment from TR.

Remarks:

13007000	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	2	2	2	2	2	2	2	2		2
CO2	3	3	2	2		2	2	2	1	1		1
CO3	3	3	3	3	2	3	2	1	2	3	2	3
CO4	3	3	3	2	3	3	3	3	3	3	3	3
CO5	3	3	2	2	3	2	3	3	3	2	3	2
Average	3	3.00	2.40	2.20	2.50	2.40	2.40	2.20	2.20	2.20	2.67	2.20
Attainment	2.18	2.18	1.74	1.60	1.81	1.74	1.74	1.60	1.60	1.60	1.93	1.60

13011500	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	2	1		2		2	2	2		2
CO2	3	3	1	2		2		2	2	1		2
CO3	3	3	2	2	2	3		2	3	3	2	3
CO4	3	3	3	3	2	3		2	3	3	2	3
CO5	3	3	3	2	3	3	3	3	2	2	3	2
Average	3	3.00	2.20	2.00	2.33	2.60	3.00	2.20	2.40	2.20	2.33	2.40
Attainment	2.1	2.10	1.54	1.40	1.63	1.82	2.10	1.54	1.68	1.54	1.63	1.68



13012100	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C01	3	3	2	2	3	2	2	2	2	3	2	2
C02	3	3	2	2	3	2	2	3	2	2	2	2
C03	3	3	2	2	3	2	1	1	2	3	3	2
C04	3	3	2	2	3	2	2	2	3	2	1	2
C05	3	3	2	2	3	2	3	3	2	2	3	2
Average	3.00	3.00	2.00	2.00	3.00	2.00	2.00	2.20	2.20	2.40	2.20	2.00
Attainment	2.51	2.51	1.67	1.67	2.51	1.67	1.67	1.84	1.84	2.00	1.84	1.67

13010000	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C01	2	2	3	2	3	2		2	3	1	2	2
C02	2	2	3	2	3	1		2	1	3	3	2
C03	2	2	3	3	3	2		2	2	2	2	2
C04	2	2	2	2	3	2		2	2	2	3	2
C05	3	3	2	3	2	2	3	2	2	2	1	2
Average	2.20	2.20	2.60	2.40	2.80	1.80	3.00	2.00	2.00	2.00	2.50	2.00
Attainment	1.86	1.86	2.20	2.03	2.37	1.52	2.54	1.69	1.69	1.69	2.12	1.69

13011900	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C01	3	3	2	3	3	1	2	2	3	3	3	2
C02	3	3	3	2	3	2	3	2	2	2	2	3
C03	3	3	1	2	3	2	2	2	2	2	2	2
C04	3	3	3	2	3	3	3	2	2	2	3	2
C05	3	3	2	3	2	3	1	3	2	2	2	2
Average	3.00	3.00	2.20	2.40	2.80	2.20	2.20	2.20	2.20	2.20	2.40	2.20
Attainment	2.24	2.24	1.64	1.79	2.09	1.64	1.64	1.64	1.64	1.64	1.79	1.64



Faculty of Basic and Applied Sciences

B. Sc. (Biotechnology)

CO Attainment Report

Session 2020-21, VI Semester, July, 2021

S. No.	Code	Course	Target CO Level	Achieved CO Attainment Level	Target CO Attainment for Next Year
1	13009700	Chemistry VI	4	2.98	4
2	13015600	IPR	2	1.67	2
3	13014800	Economic Botany	4	2.84	4
4	13015400	Genomics & Proteomics	4	2.82	4

The calculation of attainment level has been done as per procedure of RNB Global University.

Attachment: Calculation sheet of CO attainment from TR.

Remarks:

13009700	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	2	2	2	2	2	2	2	2		3
CO2	3	3	2	2	2	2	2	2	2	2		1
CO3	3	3	2	3	2	2	3	3	2	2		2
CO4	3	3	2	3	3	2	3	1	2	2	3	2
CO5	3	3	2	1	3	2	2	2	2	2	2	2
Average	3.00	3.00	2.00	2.50	2.25	2.00	2.50	2.00	2.00	2.00	3.00	2.00
Attainment	2.24	2.24	1.49	1.86	1.68	1.49	1.86	1.49	1.49	1.49	2.24	1.49

13015600	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	3		2	3	2	2	2	2	2
CO2	3	2	3	2		2	2	2	3	2	3	2
CO3	3	2	2	3		2	3	1	2	3	1	2
CO4	3	2	2	2		2	2	3	2	2	3	2
CO5	3	3	3	1	3	2	2	2	3	2	3	2
Average	3.00	2.20	2.40	2.20	3.00	2.00	2.40	2.00	2.40	2.20	2.40	2.00
Attainment	2.51	1.84	2.00	1.84	2.51	1.67	2.00	1.67	2.00	1.84	2.00	1.67



13014800	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012
C01	3	2	2	2	1	2	2	3	3	2	3	2
C02	3	3	3	3	3	3	2	2	2	3	2	2
C03	3	3	2	1	3	2	2	3	2	2	1	2
C04	3	3	2	3	3	2	2	3	2	2	3	2
C05	3	3	2	2	3	2	3	1	2	2	1	2
Average	3	2.80	2.20	2.20	2.60	2.20	2.20	2.40	2.20	2.20	2.00	2.00
Attainment	2.13	1.99	1.56	1.56	1.85	1.56	1.56	1.70	1.56	1.56	1.42	1.42

13015400	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012
C01	3	3	1	2	3	2	2	2	2	3	2	2
C02	3	3	3	2	3	2	2	3	2	2	3	3
C03	3	3	2	1	1	2	3	3	2	2	2	2
C04	3	3	3	2	3	2	3	1	2	2	1	2
C05	3	3	2	3	3	2	3	1	2	2	3	2
Average	3.00	3.00	2.20	2.00	2.60	2.00	2.60	2.00	2.00	2.20	2.20	2.20
Attainment	2.12	2.12	1.55	1.41	1.83	1.41	1.83	1.41	1.41	1.55	1.55	1.55



Faculty of Basic and Applied Sciences Program: B.Sc. (Biotech.)								
Academic Session 2020-2021								
Program Outcome Attainment								
Sem III								
Sr. No.	Course code	Course Name	CO1	CO2	CO3	CO4	CO5	Average CO attainment
1	13007700	Genetics	2	2.44	1.99	2.46	3.35	2.45
2	13028300	Basic Instruments Skills	2	1.55	2	1.59	2	1.83
3	13008700	Plant Physiology & Metabolism	2.46	2	2.46	2.47	3.35	2.55
4	13001300	Chemistry III	2.91	2.47	2.9	2.91	3.8	2.99
Sem. IV								
5	13002000	Chemistry IV	2.45	2.88	2.88	3.35	3.8	3.07
6	13011500	Environmental Biotechnology	2.43	2.91	2.45	2.9	3.8	2.9
7	13009100	Molecular Biology	2.47	2.91	2.42	2.9	3.8	2.9
8	13017000	Renewable Energy	1.96	1.53	2	2	2	1.89
9	13011200	Research Methodology	2	1.98	2	2	2	1.99
Sem. V								
10	13012100	Biological Data Base Management	1.53	1.51	2	1.55	2	1.67
11	13007000	Chemistry V	2.89	2.44	2.91	2.46	3.8	2.9
12	13010000	Application of IT Skills	2.46	2.01	2.9	2.44	2.9	2.54
13	13011500	Immunology	2.89	2.46	2.44	2.43	3.8	2.8
14	13011900	Bioinformatics	3.33	2.89	2.45	2.46	3.8	2.98
Sem VI								
15	13009700	Chemistry VI	3.32	2.91	2.43	2.46	3.78	2.98
16	13015600	IPR	1.46	1.92	1.51	1.5	2	1.67
17	13014800	Economic Botany	3.36	2.18	2.42	2.43	3.8	2.83
18	13015400	Genomics & Proteomics	2.42	2.43	2.1	3.36	3.8	2.82



Faculty of Basic and Applied Sciences
B. Sc. (Biotechnology)

Sr. No.	Course Code	Course name	Program outcome Attainment											
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	13007700	Genetics	1.84	1.84	1.47	1.47	1.23	1.59	1.23	1.23	1.47	1.59	0.98	1.59
2	13028300	Basic Instruments Skills	2.75	2.75	2.01	2.20	2.56	2.20	2.06	2.01	2.20	2.20	2.01	2.38
3	13008700	Plant Physiology & Metabolism	1.91	1.91	1.28	1.28	1.28	1.28	1.28	1.40	1.28	1.28	1.49	1.40
4	13001300	Chemistry III	2.24	2.24	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.64
5	13002000	Chemistry IV	2.30	2.30	1.84	2.00	1.92	1.54	1.84	1.69	1.54	1.54	2.05	1.84
6	13011500	Environmental Biotechnology	2.18	2.18	1.60	1.45	1.69	1.89	2.18	1.60	1.74	1.60	1.69	1.74
7	13009100	Molecular Biology	2.18	2.18	1.60	1.74	1.45	1.45	1.89	1.31	1.45	1.45	1.69	1.45
8	13017000	Renewable Energy	2.84	2.84	2.27	2.08	2.36	2.27	2.27	2.08	2.08	2.08	2.52	2.08
9	13011200	Research Methodology	2.19	2.99	2.39	2.99	2.59	2.19	2.99	2.39	1.99	2.79	2.99	2.79
10	13012100	Biological Data Base Management	2.51	2.51	1.67	1.67	2.51	1.67	1.67	1.84	1.84	2.00	1.84	1.67
11	13007000	Chemistry V	2.18	2.18	1.74	1.60	1.81	1.74	1.74	1.60	1.60	1.60	1.93	1.60
12	13010000	Application of IT Skills	1.86	1.86	2.20	2.03	2.37	1.52	2.54	1.69	1.69	1.69	2.12	1.69
13	13011500	Immunology	2.10	2.10	1.54	1.40	1.63	1.82	2.10	1.54	1.68	1.54	1.63	1.68
14	13011900	Bioinformatics	2.24	2.24	1.64	1.79	2.09	1.64	1.64	1.64	1.64	1.64	1.79	1.64
15	13009700	Chemistry VI	2.24	2.24	1.49	1.86	1.68	1.49	1.86	1.49	1.49	1.49	2.24	1.49
16	13015600	IPR	2.51	1.84	2.00	1.84	2.51	1.67	2.00	1.67	2.00	1.84	2.00	1.67
17	13014800	Economic Botany	2.13	1.99	1.56	1.56	1.85	1.56	1.56	1.70	1.56	1.56	1.42	1.42
18	13015400	Genomics & Proteomics	2.12	2.12	1.55	1.41	1.83	1.41	1.83	1.41	1.41	1.55	1.55	1.55