



Department of Biotechnology
Vigyan Bhawan Block – B: New Campus
Mohanlal Sukhadia University
Udaipur – 313001

Dated: 23.05.15

Minutes of the Meeting of committee of Courses (PG) in Biotechnology

The meeting of the C.O.C. (PG) in Biotechnology was held on 23rd May, 2015 in the Department of Biotechnology, M.L.S. University, Udaipur at 3.00 pm.

Following members were Present:

1. Prof. S.L Kothari (External member)
2. Prof. M. Bhatnagar (Member)
3. Prof. S.D. Purohit (Member)
4. Prof. Kanika Sharma (Gonvener)
5. Dr. Harshada Joshi (Member)

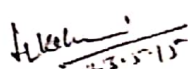
At the outset, the Chairman welcomed the members and initiated the proceedings and presented the agenda for the meeting. The committee discussed the agenda and took following decisions:

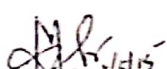
Agenda-1: The Choice Based Credit System (CBCS) for M. Sc Biotechnology and the Syllabus (theory and practical) for I, II, III & IV Semesters were finalized and approved.

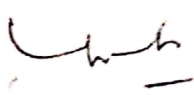
Agenda-2: The Choice Based Credit System (CBCS) for B.Sc. with Biotechnology as an optional subject, and the Syllabus (theory and practical) for I, II, III, IV, V & VI Semesters were finalized and approved.


Agenda-3: The Choice Based Credit System (CBCS) for B.Sc. with Biotechnology as an Honors course, and the Syllabus (theory and practical) for I, II, III, IV, V & VI Semesters were finalized and approved.


The meeting concluded with the Chairman thanking all the members for their co-operation. Members present:


 Prof. S.L Kothari
 (External Member)


 Prof. M. Bhatnagar
 (Member)


 Prof. S.D. Purohit
 (Member)


 Prof. K. Sharma
 Convener


 Dr. H. Joshi
 (Member)

Mohanlal Sukhadia University

Udaipur

Department of Biotechnology



Syllabus and Scheme of Examination

For

B.Sc. CBCS Programme with Biotechnology

B.Sc. Biotechnology (CBCS)

Total Seats: 60*

(All Seats are Self Finance Seats)

***Eligibility:** Those students who passed 10+2 school examination (Biology Group) with a minimum of 50% marks**. The candidates from outside the state of Rajasthan should possess a minimum of 60% marks to seek admission. Candidates with Agriculture / Horticulture / Biotechnology at 10+2 level will be considered, provided that they also had Chemistry as an optional subject at 10+2 level.

Department of Biotechnology
Mohanlal Sukhadia University
Syllabus and Scheme of Examination

For

B.Sc. CBCS Program Biotechnology

Type of course	Course code	Title of the Course	L-T-P/Week	No. of credits	University exam	Internal assessment	Total
Semester I							
Core course 1	B1CT01BOT01	Botany-I	3-1-0	4	80	20	100
Core course 2	B1 CT02BT01	Biotechnology-I	3-1-0	4	80	20	100
Core course 3	B1 CT03CHE01	Chemistry-I	3-1-0	4	80	20	100
Ability Enhancement Compulsory Course (AECC)	B1AECC01EC	English Communication	1-0-2	2	80	20	100
Core course practical 1	B1CP01BOT01	Practical Botany-I	0-0-4	2	80	20	100
Core course practical 2	B1 CP02BT01	Practical Biotechnology-I	0-0-4	2	80	20	100
Core course practical 3	B1 CP03CHE01	Practical Chemistry-I	0-0-4	2	80	20	100
				20	560	140	700
Semester II							
Core course 4	B2CT04BOT02	Botany-II	3-1-0	4	80	20	100
Core course 5	B2CT05BT02	Biotechnology-II	3-1-0	4	80	20	100
Core course 6	B2CT06CHE02	Chemistry-II	3-1-0	4	80	20	100
Ability Enhancement Compulsory Course (AECC)	B2AECC02EC	Environmental Science	1-0-2	2	80	20	100
Core course practical 4	B2CP04BOT02	Practical Botany-II	0-0-4	2	80	20	100
Core course practical 5	B2 CP05BT02	Practical Biotechnology-II	0-0-4	2	80	20	100
Core course practical 6	B2 CP06CHE02	Practical Chemistry-II	0-0-4	2	80	20	100
				20	560	140	700
Semester III							
Core course 7	B3CT07BOT03	Botany-III	3-1-0	4	80	20	100
Core course 8	B3CT08BT03	Biotechnology-III	3-1-0	4	80	20	100
Core course 9	B3CT09CHE03	Chemistry-III	3-1-0	4	80	20	100

SEC-I	B3SEC01	Any 1 from given list	1-0-2	2	80	20	100
Core course practical 7	B3CP07BOT03	Botany-III	0-0-4	2	80	20	100
Core course practical 8	B3CP08BT03	Biotechnology-III	0-0-4	2	80	20	100
Core course practical 9	B3CP09CHE03	Chemistry-III	0-0-4	2	80	20	100
				20	560	140	700
Semester IV							
Core course 10	B4CT10BOT04	Botany-IV	3-1-0	4	80	20	100
Core course 11	B4CT11BT04	Biotechnology- IV	3-1-0	4	80	20	100
Core course 12	B4CT12CHE04	Chemistry- IV	3-1-0	4	80	20	100
SEC-II	B4SEC02	Any 1 from given list	1-0-2	2	80	20	100
Core course practical 10	B4CP10BOT04	Botany- IV	0-0-4	2	80	20	100
Core course practical 11	B4CP11BT04	Biotechnology- IV	0-0-4	2	80	20	100
Core course practical 12	B4CP12CHE04	Chemistry- IV	0-0-4	2	80	20	100
				20	560	140	700
Semester V							
DSE 1	B5ET01BOT01	Botany-I	3-1-0	4	80	20	100
DSE 2	B5ET02BT01	Biotechnology- I	3-1-0	4	80	20	100
DSE 3	B5ET03CHE01	Chemistry- I	3-1-0	4	80	20	100
SEC-III	B5SEC03	Any 1 from given list	1-0-2	2	80	20	100
DSE Practical 1	B5EP01BOT01	Botany-I	0-0-4	2	80	20	100
DSE Practical 2	B5EP02BT01	Biotechnology- I	0-0-4	2	80	20	100
DSE Practical 3	B5EP03CHE01	Chemistry- I	0-0-4	2	80	20	100
				20	560	140	700
Semester VI							
DSE 4	B6ET04BOT02	Botany-II	3-1-0	4	80	20	100
DSE 5	B6ET05BT02	Biotechnology- II	3-1-0	4	80	20	100
DSE 6	B6ET06CHE02	Chemistry- II	3-1-0	4	80	20	100
SEC-IV	B6SEC04	Any 1 from given list	1-0-2	2	80	20	100
DSE Practical 4	B6EP04BOT02	Botany-II	0-0-4	2	80	20	100
DSE Practical 5	B6EP05BT02	Biotechnology- II	0-0-4	2	80	20	100
DSE Practical 6	B6EP06CHE02	Chemistry- II	0-0-4	2	80	20	100
				20	560	140	700
GRAND TOTAL				120	3360	840	4200
				TOTAL CREDIT = 120			

Core Course Theory

S.No.	Type of course	Semester	Course code	Title of the Course
1.	Core course 1	I	B1CT01BOT01	Botany-I
2.	Core course 2	I	B1 CT02BT01	Biotechnology-I
3.	Core course 3	I	B1 CT03CHE01	Chemistry-I
4.	Core course 4	II	B2CT04BOT02	Botany-II
5.	Core course 5	II	B2CT05BT02	Biotechnology-II
6.	Core course 6	II	B2CT06CHE02	Chemistry-II
7.	Core course 7	III	B3CT07BOT03	Botany-III
8.	Core course 8	III	B3CT08BT03	Biotechnology-III
9.	Core course 9	III	B3CT09CHE03	Chemistry-III
10.	Core course 10	IV	B4CT10BOT04	Botany-IV
11.	Core course 11	IV	B4CT11BT04	Biotechnology-IV
12.	Core course 12	IV	B4CT12CHE04	Chemistry-IV

Core Course practical

1.	Core course 1	I	B1CP01BOT01	Botany-I
2.	Core course 2	I	B1 CP02BT01	Biotechnology-I
3.	Core course 3	I	B1 CP03CHE01	Chemistry-I
4.	Core course 4	II	B2CP04BOT02	Botany-II
5.	Core course 5	II	B2CP05BT02	Biotechnology-II
6.	Core course 6	II	B2CP06CHE02	Chemistry-II
7.	Core course 7	III	B3CP07BOT03	Botany-III
8.	Core course 8	III	B3CP08BT03	Biotechnology-III
9.	Core course 9	III	B3CP09CHE03	Chemistry-III
10.	Core course 10	IV	B4CP10BOT04	Botany-IV
11.	Core course 11	IV	B4CP11BT04	Biotechnology-IV
12.	Core course 12	IV	B4CP12CHE04	Chemistry-IV

Discipline Specific Electives Theory

S.NO.	Type of course	Semester	Course code	Title of the Course
1.	DSE 1	V	B5ET01BOT01	Botany-I
2.	DSE 2	V	B5ET02BT01	Biotechnology- I
3.	DSE 3	V	B5ET03CHE01	Chemistry- I
4.	DSE 4	VI	B6ET04BOT02	Botany-II
5.	DSE 5	VI	B6ET05BT02	Biotechnology- II
6.	DSE 6	VI	B6ET06CHE02	Chemistry- II

Discipline Specific Electives Practical

S.NO.	Type of course	Semester	Course code	Title of the Course
1.	DSE 1	V	B5EP01BOT01	Botany-I
2.	DSE 2	V	B5EP02BT01	Biotechnology- I
3.	DSE 3	V	B5EP03CHE01	Chemistry- I
4.	DSE 4	VI	B6EP04BOT02	Botany-II
5.	DSE 5	VI	B6EP05BT02	Biotechnology- II
6.	DSE 6	VI	B6EP06CHE02	Chemistry- II

Skill Enhancement Courses (Any four)

Botany	Biotechnology	Chemistry
1. Biofertilizers	1. Probiotic Technology	1. IT Skills for Chemists
2. Herbal Technology	2. Animal Cell Sciences	2. Basic Analytical Chemistry
3. Nursery and Gardening	3. Microbiological Analysis of Air and Water	3. Chemical Technology & Society
4. Floriculture	4. Techniques in Biotechnology	4. Chemoinformatics
5. Medicinal Botany	5. Techniques in Plant Tissue Culture	5. Business Skills for Chemists
6. Plant Diversity and Human Welfare		6. Intellectual Property Rights
7. Ethnobotany		7. Analytical Clinical Biochemistry
8. Mushroom Culture Technology		8. Green Methods in Chemistry
		9. Pharmaceutical Chemistry
		10. Chemistry of Cosmetics & Perfumes
		11. Pesticide Chemistry
		12. Fuel Chemistry

Ability Enhancement Course

S.NO.	Type of course	Semester	Course code	Title of the Course
1.	Ability Enhancement Compulsory Course (AECC)	I	B1AECC01EC	English Communication
2.	Ability Enhancement Compulsory Course (AECC)	II	B2AECC02EC	Environmental Science