

(P-G.)

Dept. of Chemistry

55

Syllabi, Department of Chemistry, CBLU

w.e.f. session 2022-23



Chaudhary Bansi Lal University, Bhiwani
(A State University established under Haryana Act No. 25 of 2014)

Study & Evaluation Scheme
of
M.Sc. Chemistry

Summary

Programme
Duration
Medium
Minimum Required Attendance
Total Credits
Assessment/Evaluation

M.Sc. Chemistry
Two year full time (Four Semesters)
English
75%
122

Internal Marks	Major Test (End Semester Exam) Marks	Total Marks
20	80	100

Internal Evaluation

Minor Test	Attendance	Assignment	Total Marks
10	5	5	20

Duration of Examination

Major Test (End Semester Exam)	Internal (Minor Test)
3 hrs.	1½ hrs.

To qualify the course, a student is required to secure a minimum of 40% marks in aggregate including the Major Test (End Semester Examination) and internal evaluation. A candidate who secures less than 40% of marks in a course shall be deemed to have failed in that course. The student should have obtained at least 40% marks in aggregate to qualify the semester.

Question Paper Structure

There shall be nine questions in all. Question no. 1 shall be compulsory, consisting of eight short answer type questions covering the entire syllabus. Two questions will be asked from each unit. Student will have to attempt one question from each unit. Each question shall carry equal marks.

Handwritten signatures and initials at the bottom of the page.

Syllabi, Department of Chemistry, CBLU

w.e.f. session 2022-23

Marks= 675

Semester-III

Credits=31

Paper Code	Subjects	Type of Course	Contact Hours Per Week			Credit			Examination Scheme			Total
			Theory/Group discussion	Practical	Total	Theory/Group Discussion	Practical	Total	Exam	Internal	Practical	
22CHE-301	Spectroscopy-II	C.C.	04	--	04	04	--	04	80	20	--	100
22CHE-302 22CHE-303 22CHE-304	Inorganic Chemistry Special-I Physical Chemistry Special - I Organic Chemistry Special - I	D.S.E.	04	--	04	04	--	04	80	20	--	100
22CHE-305 22CHE-306 22CHE-307	Inorganic Chemistry Special - II Physical Chemistry Special - II Organic Chemistry Special - II	D.S.E.	04	--	04	04	--	04	80	20	--	100
22CHE-308 22CHE-309 22CHE-310	Inorganic Chemistry Special - III Physical Chemistry Special - III Organic Chemistry Special - III	D.S.E.	04	--	04	04	--	04	80	20	--	100
Open Elective - II	Open Elective - II	O.E.C.	02	--	02	02	--	02	80	20	--	100
22CHE-311 22CHE-312 22CHE-313	Practical VII Inorganic Chemistry Special Physical Chemistry Special Organic Chemistry Special	S.E.C.	--	02×04	08	--	04	04	--	--	50	50
22CHE-314 22CHE-315 22CHE-316	Practical VIII Inorganic Chemistry Special Physical Chemistry Special Organic Chemistry Special	S.E.C.	--	02×04	08	--	04	04	--	--	50	50
22CHE-317 22CHE-318 22CHE-319	Practical IX Inorganic Chemistry Special Physical Chemistry Special Organic Chemistry Special	S.E.C.	--	02×04	08	--	04	04	--	--	50	50
	Hobby Club				02			01		25		25
	Total		18	24	44	18	12	31	400	125	150	675

C.C. = Core Course

D.S.E. = Discipline Specific Elective Course

O.E.C. = Open Elective Course

S.E.C. = Skill Enhancement Course

Note: 1. For Open Elective Course, students will have to choose a course out of list of open electives offered by other UTD

2. Practicals VII, VIII and IX are based on theory papers.

3. Special paper will be allotted on the basis of merit of 1st semester result and choice.

58

Chaudhary Bansi Lal University, Bhiwani
Scheme of Examination for M.Sc. Chemistry
Under
CBCS (Choice Based Credit System)

Duration: 02 Years (04 Semesters)
 Semester-I

Total Credits: 122
 Credits= 31

Total Marks: 2600
 Marks= 675

Paper Code	Subjects	Type of Course	Contact Hours Per Week			Credits			Examination Scheme			Total
			Theory	Practical	Total	Theory	Practical	Total	Theory	Internal	Practical	
22CHE-101	Inorganic Chemistry - I	C.C.	04	--	04	04	--	04	80	20	--	100
22CHE-102	Physical Chemistry - I	C.C.	04	--	04	04	--	04	80	20	--	100
22CHE-103	Organic Chemistry - I	C.C.	04	--	04	04	--	04	80	20	--	100
22CHE-104	Spectroscopy-I	C.C.	04	--	04	04	--	04	80	20	--	100
Open Elective - I	Open Elective - I	O.E.C.	02	--	02	02	--	02	80	20	--	100
22CHE-105	Practical - I Inorganic Chemistry	S.E.C.	--	02×04	08	--	04	04	--	--	50	50
22CHE-106	Practical - II Physical Chemistry	S.E.C.	--	02×04	08	--	04	04	--	--	50	50
22CHE-107	Practical - III Organic Chemistry	S.E.C.	--	02×04	08	--	04	04	--	--	50	50
	Hobby Club				02			01		25		25
Total			18	24	44	18	12	31	400	125	150	675

C.C. = Core Course

O.E.C. = Open Elective Course

S.E.C. = Skill Enhancement Course

Note: 1. For Open Elective Course, students will have to choose a course out of list of open electives offered by other UTDs (University Teaching Departments).

2. Practical I, II, III are based on theory papers.






Scheme of Examination for M.Sc. – MATHEMATICS (Under Multiple Entry-Exit, Internship and CBCS in accordance to NEP-2020)

Credits=33

Marks=800

Course/ r Code	Courses	Type of Course	Credit			Contact Hours Per Week			Examination Scheme			Total Marks
			Theory	Practical /Seminar	Total	Theory	Practical /Seminar	Total	Major Test (End Semester Exam)	Internal Assessment	Practical (External)	
4TH-N-	Abstract Algebra - I	C.C.	5	--	5	5	--	5	80	20	--	100
4TH-N-102	Ordinary Differential Equations and Calculus of Variations	C.C.	5	--	5	5	--	5	80	20	--	100
4TH-N-103	Real Analysis	C.C.	5	--	5	5	--	5	80	20	--	100
4TH-N-104	Mathematical Statistics	C.C.	5	--	5	5	--	5	80	20	--	100
4TH-N-105	Classical Mechanics	M.D.C	5	--	5	5	--	5	80	20	--	100
TSC-N-101	IT Skills	S.E.C.	2	--	2	2	--	2	80	20	--	100
FSCL-N-101	Computing Lab-I (Based on IT Skill)	S.E.C.	--	1	1	--	2	2	--	--	--	--
	Open Elective Course/ Value Added Course	V.A.C.	2	--	2	2	--	2	80	20	--	100
23LS-1VS101	Environmental Science (Based on Seminar)	A.E.C.	--	2	2	--	2	2	--	50	50	100
	Activity/Hobby Club	V.A.C	1	--	1	1	--	1		100	--	Grade
					33			34				800

C.C. = Core Course

S.E.C. = Skill Enhancement Course

Note: 1. For Open Elective Course/ Value Added Course, Activity/Hobby Club Students will have to choose a course from the list of open electives/value added/Hobby Club offered by the University.

A.E.C. = Ability Enhancement Course
V.A.C. = Value Added Course

M.D.C. = Multi-Disciplinary Course

[Signature]

Scheme of Examination for M.Sc. – MATHEMATICS (Under Multiple Entry-Exit, Internship and CBCS in accordance to NEP-2020)

Semester-III

Credits= 31

Marks= 700

Sl. No.	Course/ Paper Code	Courses	Type of Course	Credit			Contact Hours Per Week			Examination Scheme			Total Marks
				Theory	Practical /Seminar	Total	Theory	Practical /Seminar	Total	Major Test (End Semester Exam)	Internal Assessment	Practical /Self-Study paper (External)	
1	23MTH-N-301	Topology	C.C.	5	--	5	5	--	5	80	20	--	100
2	23MTH-N-302	Differential Geometry	C.C.	5	--	5	5	--	5	80	20	--	100
3	23MTH-N-303	Mechanics of Solids-I	C.C.	5	--	5	5	--	5	80	20	--	100
4		Discipline Elective-I	D.S.E.	5	--	5	5	--	5	80	20	--	100
5		Discipline Elective-II	D.S.E.	5	--	5	5	--	5	80	20	--	100
6	23MTH-N-311	MATLAB Programming	S.E.C.	2	--	2	2	--	2	80	20	--	100
7	23MTH-N-312	Computing Lab-III (Based on 21MTH-311)	S.E.C.	--	2	2	--	4	4	--	10	40	50
8	23MTH-N-313	Seminar-I	S.E.C.	--	1	1	--	1	1	--	--	50	50
9		Hobby Club	V.A.C.	1	--	1	1	--	1	--	100	--	Grade
						31			33				700

C.C. = Core Course, O.E.C. = Open Elective Course, D.S.E. = Discipline Specific Elective, S.E.C. = Skill Enhancement Course

List of courses for Discipline Elective I&II:

- (a) 23MTH-N-304 Fluid Dynamics
- (b) 23MTH-N-305 Discrete Mathematics
- (c) 23MTH-N-306 Analytical Number Theory
- (d) 23MTH-N-307 Coding Theory
- (e) 23MTH-N-308 Applied Statistics
- (f) 23MTH-N-309 Financial Mathematics
- (g) 23MTH-N-310 Operations Research Techniques

Notes: 1. The Discipline Elective Courses can be offered depending upon the availability of the resources.

2. Students chose the topics of seminar from the list of seminar

Aravind

Dept of English (P.G.)

CHAUDHARY BANSI LAL UNIVERSITY, BHIWANI Scheme of Examination for M.A. English

Semester-I

Credits-26

Marks-700

Sr. No.	Paper Code	Subject	Type of Course	Contact Hours Per Week			Credits			Examination Scheme			
				Theory	Practical	Total	Theory	Practical	Total	Theory	Internal Assessment	Practical	Total
1	23ENG101	Appreciation of Literature	C.C.	4	-	4	4	-	4	80	20	-	100
2	23ENG102	English Poetry I	C.C.	4	-	4	4	-	4	80	20	-	100
3	23ENG103	English Drama I	C.C.	4	-	4	4	-	4	80	20	-	100
4	23ENG104	Linguistics-I	C.C.	4	-	4	4	-	4	80	20	-	100
6		Elective-I	D.S.E.C.	4	-	4	4	-	4	80	20	-	100
	23ENG105(A)	Indian Writings in English-I											
	23ENG105(B)	English Essay											
7	23-ITSC-N-101	IT Skills	S.E.C.	2	2	4	2	1	3	80	20	-	100
8		* Open Elective Course-I	M.D.C.	2	-	2	2	-	2	80	20	-	100
		**Creative Writing											
9		Hobby Club*	S.E.C.	-	1	1	-	1	1	As per Hobby Club Ordinance			
Total				24	3	27	24	2	26	560	140		700

*for details go through the ordinance available on the University Website.

C.C. =Core Course O.E.C. =Open Elective Course S.E.C. = Skill Enhancement Course V.A.C. =Value Added Course M.D.C.= Multi-Disciplinary Course
D.S.E.C. = Discipline Specific Elective Course

*The students will have to choose a course from the pool of open elective courses offered by other departments of the University.

**Open Elective Paper offered by the Department of English to the students of other departments.

#The students will have to select one option from the list of Elective papers for 23ENG105

CHAUDHARY BANSI LAL UNIVERSITY, BHIWANI
Scheme of Examination for M.A. English

Semester-III

Credits-27

Marks-625

Sr. No.	Paper Code	Subject	Type of Course	Contact Hours Per Week			Credits			Examination Scheme			
				Theory	Practical	Total	Theory	Practical	Total	Theory	Internal Assessment	Practical	Total
1	23ENG301	English Poetry-III	C.C.	4	-	4	4	-	4	80	20	-	100
2	23ENG302	English Drama-II	C.C.	4	-	4	4	-	4	80	20	-	100
3	23ENG303	English Fiction-II	C.C.	4	-	4	4	-	4	80	20	-	100
4	23ENG304	Literary Theory & Criticism-II	C.C.	4	-	4	4	-	4	80	20	-	100
5		Elective-IV	D.S.E.C.	4	-	4	4	-	4	80	20	-	100
	23ENG305(A)	Literature & Diaspora											
	23ENG305(B)	Postcolonial Literature											
	23ENG305(C)	Partition Literature											
6		Elective-V	D.S.E.C.	4	-	4	4	-	4	80	20	-	100
	23ENG306(A)	American Literature											
	23ENG306(B)	European Literature											
	23ENG306(C)	Afro-American Literature											
7	23ENG307	Seminar	S.E.C.	-	2	2	-	1	1	-	25	-	25
8		Hobby Club*	S.E.C./ V.A.C. (non-CGPA)		1	1	-	1	1	As per Hobby Club Ordinance			
Total				24	3	27	24	2	26	480	145		625

*for details go through the ordinance available on the University Website.

C.C. =Core Course D.S.E.C.= Discipline Specific Elective Course S . E . C . = Skill Enhancement Course V.A.C.= Value Added Course

#The students will have to select one option from the list of Elective papers for 23ENG305 and 23ENG306

The Discipline Elective Courses can be offered depending upon the availability of the resources and faculty members.

Department of Physics (PG)

Syllabi, Department of Physics, CBLU

w.e.f. session 2023-24



Chaudhary Bansi Lal University, Bhiwani
(A State University established under Haryana Act No. 25 of 2014)

Study & Evaluation Scheme of M.Sc. PHYSICS Summary

Programme	: M.Sc. (PHYSICS)
Duration	: Two-year full time (Four Semesters)
Medium	: English
Minimum Required Attendance	: 75%
Total Credits	: 124

Assessment/Evaluation

Internal Marks	Major Test (End Semester Exam) Marks	Total Marks
20	80	100

Internal Evaluation (Theory)

Minor Test	Attendance	Assignment	Total Marks
10	5	5	20

Duration of Examination

Major Test (End Semester Exam)	Internal (Minor Test)
3 hrs.	1 hrs.

To qualify the course, a student is required to secure a minimum of 40% marks in aggregate including the Major Test (End Semester Examination) and internal evaluation. A candidate who secures less than 40% of marks in a course shall be deemed to have failed in that course. The student should have obtained at least 40% marks in aggregate to qualify the semester.

Note: The students should be involved in extracurricular activities through Hobbies Clubs (CGPA) such as Poetry, Science Club and Drama etc. and will be awarded a letter grade at the completion of M. Sc. The marks or CGPA (01 credit per semester) above said the course will be included in the scheme as per the guidelines of the university from time to time.

Question Paper Structure

There shall be nine questions in all. Question no. 1 shall be compulsory, consisting of eight short answer type questions covering the entire syllabus. Two questions will be asked from each unit. Student will have to attempt one question from each unit. Each question shall carry equal marks.

Syllabi, Department of Physics, CBLU

w.e.f. session 2023-24

Chaudhary Sansi Lal University, Bhiwani
Scheme of Examination for M.Sc.-PHYSICS

Semester-I (w.e.f. 2023-24)

Credits= 32

Marks=700

Sr. No.	Course/ Paper Code	Courses	Type of Course	Credit			Contact Hours Per Week			Major Test (End Semester Exam)	Examination Scheme		Total Marks
				Theory (L+T)	Practical /Seminar	Total	Theory (L+T)	Practical /Seminar	Total		Internal Assessment	Practical /Seminar	
1	22PHY-101	Mathematical Physics	C.C.	4+1	--	5	4+1	--	5	80	20	--	100
2	22PHY-102	Classical Mechanics	C.C.	4+1	--	5	4+1	--	5	80	20	--	100
3	22PHY-103	Quantum Mechanics-I	C.C.	4+1	--	5	4+1	--	5	80	20	--	100
4	22PHY-104	Electronic Devices and Circuits-I	C.C.	4+1	--	5	4+1	--	5	80	20	--	100
5	22PHY-105	Communication Skills	A.E.C.C.	2+0	--	2	2	--	2	40	10	--	50
6	22PHY-106	IT Fundamentals	S.E.C.	2+0	2	2	2	--	2	40	10	--	50
7	22PHY-107	Physics Laboratory-I		--	4	4	--	8	8	--	20	20	100
8	22PHY-108	Physics Laboratory-II		--	4	4	--	8	8	--	20	20	100
Total						32			40				700

C.C. = Core Course
 Note: L-Lecture, T-Tutorial

S.E.C.=Skill Enhancement Course

A.E.C.C.= Ability Enhancement Course
 Compulsory Course

Syllabi, Department of Physics, CBLU

w.e.f. session 2023-24

Chaudhary Bansi Lal University, Bhiwani
Scheme of Examination for M.Sc.-PHYSICS

Semester-II (w.e.f. 2023-24)

Credits= 32

Marks=750

Sr. No.	Course/Paper Code	Courses	Type of Course	Credits			Contact Hours Per Week			Examination Scheme			Total Marks
				Theory (L+T)	Practical /Seminar	Total	Theory (L+T)	Practical /Seminar	Total	Major Test (End Semester Exam)	Internal Assessment	Practical/ Seminar	
1	22PHY-201	Quantum Mechanics-II	C.C.	4+1	--	5	4+1	--	5	80	20	--	100
2	22PHY-202	Nuclear and Particle Physics	C.C.	4+1	--	5	4+1	--	5	80	20	--	100
3	22PHY-203	Solid State Physics	C.C.	4+1	--	5	4+1	--	5	80	20	--	100
4	22PHY-204	Electronic Devices and Circuits-II	C.C.	4+1	--	5	4+1	--	5	80	20	--	100
5	22PHY-205	Physics Laboratory-III		--	4	4	--	8	8	--	20	80	100
6	22PHY-206	Physics Laboratory-IV		--	4	4	--	8	8	--	20	80	100
7	22PHY-207	Seminar	S.E.C.	--	2	2	--	4	4	--	--	50	50
8	22PHY-208	Open Elective -I	O.E.C.	2	0	2	2	--	2	80	20	--	100
Total						32			42				750

C.C. = Core Course

S.E.C. = Skill Enhancement Course

O.E.C. = Open Elective Course

Note: 1. L-Lecture, T-Tutorial

2. For Open Elective-I, students will have to choose a course from the list of open electives offered by other Departments of the University.

Chaudhary Bansi Lal University, Bhiwani
Scheme of Examination for M.Sc. PHYSICS

Sr. No.	Course/Paper Code	Courses	Type of Course	Credit			Contact Hours Per Week			Examination Scheme			Total Marks
				Theory (L+T)	Practical/Seminar	Total	Theory	Practical/Seminar	Total	Major Test (End Semester Exam)	Internal Assessment	Practical/Seminar	
1	22PHY 301	Electrodynamics	C.C.	4+1	--	5	4+1	--	5	80	20	--	100
2	22PHY 302	Atomic & Molecular Physics-I	C.C.	4+1	--	5	4+1	--	5	80	20	--	100
3	Any one of the following subject electives/specializations Discipline Specific Elective I		D.S.E.	4+1	--	5	4+1	--	5	80	20	--	100
4	Any one of the following subject electives/specializations Discipline Specific Elective II		D.S.E.	4+1	--	5	4+1	--	5	80	20	--	100
5	22PHY 305	Physics Laboratory-IV		--	4	4	--	8	8	--	20	80	100
6	22PHY 306	Physics Laboratory-V		--	4	4	--	8	8	--	20	80	100
7	22PHY 307	Seminar	S.E.C.	--	2	2	--	4	4	--	--	50	50
8	22PHY 308	Open Elective -II	O.E.C.	2	0	2	2	--	2	80	20	--	100
Total						32			42				750

C.C. = Core Course, D.S.E. = Discipline Specific Elective, O.E.C. = Open Elective Course

Note: 1. L-Lecture, T-Tutorial

2. The Discipline Elective Courses will be selected only in combination from the table given below. If one select 22PHY 303A from DSE I then accordingly he/she will have 22PHY304A as another course from DSE II.

Discipline Specific Elective I		Discipline Specific Elective II	
22PHY 303A	Radiation Physics	22PHY 304A	Condensed Matter Physics-I
22PHY 303B	Material Science-I	22PHY 304B	Nuclear Physics-I
22PHY 303C	Physics of Nano-materials	22PHY 304C	Electronics-I

3. The Discipline Elective Courses can be offered depending upon the availability of the resources and faculties.

4. For Open Elective-II, students will have to choose a course from the list of open electives offered by other Departments of the University

Chaudhary Bansi Lal University, Bhiwani
Scheme of Examination for M.Sc. - PHYSICS.

Semester-IV (w.e.f. 2023-24)

Credits= 28

Marks=600

Sr. No.	Course/ Paper Code	Courses	Type of Course	Credit			Contact Hours Per Week			Examination Scheme			Total Mar ks
				Theory (L+T)	Practical /Seminar	Total	Theory	Practical /Seminar	Total	Major Test (End Semester Exam)	Internal Assessment	Practical/ Seminar	
1	22PHY 401	Statistical Mechanics	C.C.	4+1	—	5	4+0+1	—	5	80	20	—	100
2	22PHY 402	Atomic & Molecular Physics-II	C.C.	4+1	—	5	4+0+1	—	5	80	20	—	100
3	<i>Some electives/specializations are to be taken as in Semester III</i> Discipline Specific Elective III		C.C.	4+1	—	5	4+0+1	—	5	80	20	—	100
4	<i>Some electives/specializations are to be taken as in Semester III</i> Discipline Specific Elective IV			4+1	—	5	4+0+1	—	5	80	20	—	100
5	22PHY 405	Physics Laboratory- VII/ PG Dissertation**		—	4	4	—	8	8	—	20	80	100
6	22PHY 406	Physics Laboratory- VIII/ PG Dissertation**		—	4	4	—	8	8	—	20	80	100
	**22PHY 407	PG Dissertation		—	8	8	—	16	16	—	40	160	200
Total						28			36				600

**Total number of students' engaged in the PG Dissertation offered (ONLY for UTD students) will be two per faculty member (regular) per year, and allotment will be made on the basis of merit cum preference of the students. Students opting for project will be exempted from the corresponding laboratory course. However, dissertation evaluation/examination fee (if any) shall be borne by the student as per University norms.

C.C. = Core Course, D.S.E. = Discipline Specific Elective, D.E.C. = Open Elective Course

Note: 1. L-Lecture, T-Tutorial

2. The same Discipline Specific Elective Courses are to be taken as in semester III and only in combination from the table given below i.e. if one selects 22PHY 303A from DSE I then accordingly he/she will have 22PHY403As one course from DSE III and 22PHY404A as another course from DSE IV

Syllabi, Department of Physics, CBLU

w.e.f. session 2023-24

Discipline Specific Elective III		Discipline Specific Elective IV	
22PHY 403A	Computational Physics	22PHY 404A	Condensed Matter Physics-II
22PHY 403B	Material Science-II	22PHY 404B	Nuclear Physics-II
22PHY 403C	Experimental Techniques	22PHY 404C	Electronics-II

3: The Discipline Elective Courses can be offered depending upon the availability of the resources and faculties.

Duration - 2 Years (4 Semesters)
Total Marks - 2800

Total credits-124



M.A-I Sem

2024-25

**PROGRAMME STRUCTURE AND SCHEME OF EXAMINATION
M.A. ECONOMICS
(In accordance with NEP, 2020)**

Semester: I

Total Credits: 27

Total Marks: 700

Sr. No.	Course Code	Type of Course	Nomenclature of the course	Credits			Examination Scheme			Total
				L	P	Total	Theory	Internal Assessment	Practical/ Viva-voce examination	
I	23ECO101	CC	Microeconomics-I	4	-	4	80	20	-	100
II	23ECO102	CC	Macroeconomics-I	4	-	4	80	20	-	100
III	23ECO103	CC	Economics of Growth & Development-I	4	-	4	80	20	-	100
IV	23ECO104	CC	Statistical Methods	4	-	4	80	20	-	100
V	23ECO105	VEC	Issues of Contemporary Relevance	2	-	2	-	10	40	50
VI	23ECO106	SEC	Lab Work	-	2	2	-	10	40	50
VII	23ECO107	AEC	IT Skills in Economics	2	2	4	40	10	50	100
VIII	23LS-EVS101	MDC	Environmental Studies and Sustainable Development	2	-	2	-	-	50+50	100
IX	-	SEC (Non-CGPA)	Hobby Club	-	1	1	As per University Policy framed for Hobby Club			
Total Credits/Marks						27	-			700

Note-1: L- Lecture, P- Practical, CC- Core Course, MDC- Multidisciplinary Course, SEC- Skill Enhancement Course, AEC- Ability Enhancement Course, Vocational Education Course (VEC).

Note-2: For theory class (L), one credit = one hour and for practical class (P), one credit = 2 hours

Note-3: For practical classes (lab work, IT skills in Economics), the students shall be divided into groups with maximum of 30 students in one group.

Amal

M.A Economics III Sem

PROGRAMME STRUCTURE AND SCHEME OF EXAMINATION M.A. ECONOMICS w.e.f/2023-24

(In accordance with NEP, 2020)

Semester: III

Total Credits: 30

Total Marks: 775

Sr. No.	Course Code	Type of Course	Nomenclature of the course	Credits			Examination Scheme			Total
				L	P	Total	Theory	Internal Assessment	Practical/Viva-voce examination	
I	23ECO301	CC	Introduction to Economics	4	-	4	80	20	-	100
II	23ECO302	CC	Intermediate Economics-I	4	-	4	80	20	-	100
III	23ECO303	CC	Intermediate-I	4	-	4	80	20	-	100
IV	23ECO304	VEC	Introduction to Contemporary Economics	2	-	2	-	10	40	50
V	23ECO305	SEC	Term Paper	4	-	4	-	20	80	100
VI	23ECO306	AEC	Seminar	1	-	1	-	-	25	25
<p>The students are required to choose any two courses from the pool of DCECs. The students who opt for Econometrics-I and/or Advanced Data Analytics-I, in the third semester shall study Econometrics-II and/or Advanced Data Analytics-II in the fourth semester.</p>										
VII	23ECO307	DCEC	Introduction to Economics	4	-	4	80	20	-	100
VIII	23ECO308	DCEC	Intermediate Economics	4	-	4	80	20	-	100
IX	23ECO309	DCEC	Intermediate Economics	4	-	4	80	20	-	100
X	23ECO310	DCEC	Advanced Data Analytics-I	3	1	4	40	10	50	100
XI	23ECO311	DCEC	Introduction to Entrepreneurship	4	-	4	80	20	-	100
XII	23ECO312	DCEC	Advanced Economics	4	-	4	80	20	-	100
XIII	23ECO313	DCEC	Advanced Economics	4	-	4	80	20	-	100
XIV	23ECO314	DCEC	Practical in Economics (Only for those students, who opt for writing dissertation in fourth semester)	4	-	4	80	20	-	100
Open Elective Course										
		VAC	Open Elective Course to be opted from other disciplines offered by the other Departments of the University	2	-	2	80	20	-	100
		SEC (Non-CGPA)	Hobby Club	-	1	1	As per University Policy framed for Hobby Club			
Total Marks										775

Note-1: L- Lecture, P- Practical, CC- Core Course, DCEC- Discipline Centric Elective Course, SEC- Skill Enhancement Course, AEC- Ability Enhancement Course, Vocational Education Course (VEC), value Added Course (VAC).

Note-2: For theory class (L), one credit = one hour and for practical class (P), one credit = 2 hours

Note-3: For practical classes (Advanced Data Analytics, term paper), the students shall be divided into groups with maximum of 30 students in one group.

30

Armeda

Chaudhary Bansi Lal University, Bhiwani

(A State University established by Govt. of Haryana Act No. 25 of 2014)

From Session: 2021-22

Scheme of Examination for Bachelor of Arts (B.A) with Home Science

Semester-I to
VI

Credits=
36

Total
Marks = 600

Course/ Paper Code	Subjects	Type of Course	Contact Hours Per Week			Credit			Examination Scheme			Total		
			Theory	Practical	Total	Theory	Practical	Total	Theory	Internal Assessment	Practical			
21 UHS 101 Semester I	Family Resource Management	C.C.	03		09	03		06	40	10		100		
21 UHS 101(P) Semester I	Practical	C.C.		06			03						50	
21 UHS 201 Semester II	Promotive Health and Hygiene	C.C.	03			09	03			06	40		10	
21 UHS 201(P) Semester II	Practical	C.C.		06			03					50		
21 UHS 302 Semester III	Basic Clothing and Textile	C.C.	03		09		03		06		40	10		100
21 UHS 302(P) Semester III	Practical	C.C.		06			03					50		
21 UHS 402 Semester IV	Basic Food and Nutrition	C.C.	03			09	03			06	40	10		
21 UHS 402(P) Semester IV	Practical	C.C.		06			03					50		
21 UHS 503 Semester V	Home Science Extension Education	D.S.E.	03		09		03		06		40	10		100
21 UHS 503- (P) Semester V	Practical OR			06			03					50		
21 UHS 503 A Semester V	Food Preservation	D.S.E.	03			09	03			06	40	10		
21 UHS 503(P)-A Semester V	Practical OR			06			03					50		

old

UHS 603 Semester VI	Human Development	D.S.E.	03			03			40	10		
21 UHS 603(P)- Semester VI	Practical OR			06	09			06				100
21 UHS 603A Semester VI	Apparel Designing	D.S.E.	03	06		03			40	10	50	
21 UHS 603(P)-A Semester VI	Practical				09			06				100
						03					50	
Total			18	36	54	18	18	36	240	60	300	600

C.C. = Core Course

D.S.E = Discipline Specific

Elective

B. A.1st (HOME SCIENCE)

SEMESTER - I

Paper Name: Family Resource Management (C.C)

Paper Code: 21UHS101

Credits: 3+3/week

MM: 100
Theory: 40
Internal Assessment: 10
Practical: 50
Duration of Exam: 3 hrs.

Note:

- 1) The question paper will consist of nine questions. The candidate will attempt five questions in all. The first question will be of short answer type consisting of eight parts (1 Mark each) to be set from the whole syllabus. This question will be compulsory.
- 2) Remaining eight questions (essay type) would be set unit wise, two questions from each unit. The candidate has to attempt four questions, selecting at least one from each unit.
- 3) Each question carries 8 marks.

UNIT I

1. Concept and scope of Home Science including job opportunities.
2. Housing - selection of site for an ideal house- Soil, Locality, Orientation and Functions of home.
3. Kitchen Garden-Meaning and Utility, Planning and Types of Manures.

New Scheme Home-science

**Scheme of Examination for Under-Graduate Programme in Subject Home
Science as per NEP 2020**
Under multiple Entry-Exit, Internship & CBCS-LOCF-CCF in accordance to
w.e.f. 2024-25 (in phased manner)

Home Science
SEMESTER-1

Course	Paper(s)	Nomenclature of Paper	Credits	Hours / Week	Internal marks	External Marks	Total Marks	Exam Duration
CC-1 4 credit	24UN-HOM-101	Home and Interior Decor'	3	3	20	50	70	3 hrs.
		Practical	1	2	10	20	30	4 hrs.
CC-M1 2 credit	24UN-HOM-102	Elementary Home Science I	1	1	10	20	30	3hrs.
		Practical	1	2	5	15	20	4hrs.
MDC-1 3 credits	24UN-HOM-MDC101	Basics of Home Science I	2	2	15	35	50	3 hrs.
		Practical	1	2	5	15	20	4 hrs.
AEC-1 2 credit	From available AEC-1 pool list of two credit as per NEP							
SEC-1 3 credit	From Available SEC-1 pool list of two credit as per NEP							
VAC-1 2 credit	From Available VAC-1 pool list of two credit as per NEP							

SEMESTER-2

Course	Paper(s)	Nomenclature of Paper	Credits	Hrs/ Week	Internal marks	External Marks	Total Marks	Exam Duration
CC-2 4 credit	24UN-HOM-201	Nutrition Science	3	3	20	50	70	3 hrs.
		Practical	1	2	10	20	30	4 hrs.
CC-M2 2 credit	24UN-HOM-202	Elementary Home Science II	1	1	10	20	30	3hrs.
		Practical	1	2	5	15	20	4hrs.
MDC-2 3 credits	24UN-HOM-MDC201	Basics in Home Science II	2	2	15	35	50	3 hrs.
		Practical	1	2	5	15	20	4 hrs.
AEC-2 2 credit	From Available AEC-2 pool list of two credit as per NEP							
SEC-2 3 credit	From Available SEC-2 pool list of three credit as per NEP							
VAC-2 2 credit	From Available VAC-2 pool list of two credit as per NEP							

❖ Internship of 4 credits of 4-6 weeks duration after 2nd Semester.

mll

Old Scheme. Home Science

Chaudhary Bansi Lal University, Bhiwani

(A State University established by Govt. of Haryana Act No. 25 of 2014)
From Session: 2021-22

Scheme of Examination for Bachelor of Arts (B.A) with Home Science

Semester-I to
VI

Credits=
36

Total
Marks = 600

Course/ Paper Code	Subjects	Type of Course	Contact Hours Per Week			Credit			Examination Scheme			Total	
			Theory	Practical	Total	Theory	Practical	Total	Theory	Internal Assessment	Practical		
21 UHS 101 Semester I	Family Resource Management	C.C.	03		09			06				100	
21 UHS 101(P) Semester I	Practical	C.C.		06		03				40	10		
21 UHS 201 Semester II	Promotive Health and Hygiene	C.C.	03										50
21 UHS 201(P) Semester II	Practical	C.C.		06	09	03		06	40	10		100	
21 UHS 302 Semester III	Basic Clothing and Textile	C.C.	03										
21 UHS 302(P) Semester III	Practical	C.C.		06		03							50
21 UHS 402 Semester IV	Basic Food and Nutrition	C.C.	03		09			06				100	
21 UHS 402(P) Semester IV	Practical	C.C.		06		03				40	10		
21 UHS 503 Semester V	Home Science Extension Education	D.S.E.	03										
21 UHS 503- (P) Semester V	Practical OR			06	09	03		06	40	10		100	
21 UHS 503 A Semester V	Food Preservation	D.S.E.	03										50
21 UHS 503(P)-A Semester V	Practical OR			06		03							

UHS 603 Semester VI	Human Development	D.S.E.	03		09	03		06	40	10		
21 UHS 603(P)- Semester VI	Practical OR			06			03				50	100
21 UHS 603A Semester VI	Apparel Designing	D.S.E.	03	06	09	03			40	10		
21 UHS 603(P)-A Semester VI	Practical						03	06			50	100
Total			18	36	54	18	18	36	240	60	300	600

C.C. = Core Course

Elective

D.S.E = Discipline Specific

B. A.1st (HOME SCIENCE)

SEMESTER - I

Paper Name: Family Resource Management (C.C)

Paper Code: 21UHS101

Credits: 3+3/week

MM: 100

Theory: 40

Internal Assessment: 10

Practical: 50

Duration of Exam: 3 hrs.

Note:

- 1) The question paper will consist of nine questions. The candidate will attempt five questions in all. The first question will be of short answer type consisting of eight parts (1 Mark each) to be set from the whole syllabus. This question will be compulsory.
- 2) Remaining eight questions (essay type) would be set unit wise, two questions from each unit. The candidate has to attempt four questions, selecting at least one from each unit.
- 3) Each question carries 8 marks.

UNIT I

1. Concept and scope of Home Science including job opportunities.
2. Housing - selection of site for an ideal house- Soil, Locality, Orientation and Functions of home.
3. Kitchen Garden-Meaning and Utility, Planning and Types of Manures.

B.A. I sem PSYCHOLOGY
new

DEPARTMENT OF PSYCHOLOGY
CHAUDHARY BANSILAL UNIVERSITY, BHIWANI

Established by the State ACT 25 of 2014

Scheme of Examination for Undergraduate Programme in the Subject of Psychology as per NEP 2020 (Multiple Entry-Exit, Internships and Choice Based Credit System- Learning Outcome Based) w.e.f. 2024-25 in phased manner.

Semester	Course Type	Applicable Scheme	Course Code	Nomenclature of paper	Credits	Credits		Contact hours	Internal Assessment marks		End term Exam. Marks		Max. Marks	Duration of End Term exam. (Hrs T/P)	
						Theory (T)	Practical (P)		T+P	T	P	T			P
1	CC-1	A,B,C	24UN-PSY-101	Foundations of Psychology	4	3	1	5	20	10	50	20	100	3/3	
	MCC-1														
	MCC-2	C	24UN-PSY-102	Basic Statistics in Psychology	4	3	1	5	20	10	50	20	100	3/3	
	CC-M1	A,B,D	24UN-PSY-103	Youth Psychology	2	2	NA	2	15	-	35	00	50	3	
	CC-M1*	C	From the available CC-1\MCC-1 of 4 Credits from subject other than Major.												
	MDC-1	A,B,C,D	24UN-PSY-MDC101	Introduction to Psychology	3	2	1	4	15	05	35	15	70	3/3	
	VAC-1	A,B,C,D	24UN-PSY-VAC101	Human Values And Ethics	2	2	NA	2	15	-	35	00	50	3	
AEC-1	From Available pool of Ability Enhancement Courses as per NEP (2Credit)														
SEC-1	From Available pool of Skill Enhancement Courses as per NEP(3Credit)														

*For Students who opt Psychology as a major subject.

3rd Sem

Semester	Course Type	Course Code	Applicable Scheme	Nomenclature of paper	Credits	Credits		Contact hours T+P	Internal Assessment marks		End term Exam. Marks		Max. Marks	Duration of End Term exam (Hrs T/P)
						Theory (T)	Practical (P)		T	P	T	P		
						2	CC-2		24UN-PSY-201	A,B,C	Social Psychology	4		
	MCC-3													
	DSEC-1	24UN-PSY-202	C	Counselling Psychology	4	3	1	5	20	10	50	20	100	3/3
	CC-M2	24UN-PSY-203	A,B,D	Understanding and Managing Stress	2	2	NA	2	15	---	35	---	50	3
	CC-M2*		C	From the available CC-2/MCC-3 of 4 Credits from subject other than Major.										
	MDC-2	24UN-PSY-MDC201	A,B,C,D	Understanding of Abnormal Behavior	3	2	1	4	15	5	35	20	75	3/3
	VAC-2	24UN-PSY-VAC201	A,B,C,D	Emotional Intelligence	2	2	NA	2	15	---	35	--	50	3/3
	AEC-2	From Available pool of Ability Enhancement Courses as per NEP (2Credit)												
	SEC-2	From Available pool of Skill Enhancement Courses as per NEP (3Credit)												
	Internship	Internship of 4 Credits of 4-6 weeks duration after 2nd Semester (Mandatory in case of exit)												
	Exit Option	Under Graduate Certificate in Discipline with 52 credits												

***For Students who opt Psychology as a major subject.**

Note:

1. CC of concerned semester will be CC-M (4 credits) for non-psychology students.
2. AEC/SEC/VAC/VOC course(s) will be chosen from the pool of courses.
3. Discrepancy, if any, in the scheme will be dealt as per ordinance for UG programs prepared by Chaudhary Bansi Lal University, Bhiwani.
4. The scheme will be implemented in phased manner with effect from the session 2024-25.

Chaudhary Bansi Lal University, Bhiwani

(A State University established by Govt. of Haryana Act No. 25 of 2014)

B.A II + B.A III

old

Scheme of Examination for Bachelor of Arts with Psychology

Semester-I to VI

Credits= 36

Total Marks = 600

Course/ Paper Code	Subjects	Type of Course	Contact Hours Per Week			Credit			Examination Scheme			Total
			Theory	Practical/ Tutorial	Total	Theory	Practical	Total	Theory	Internal Assessment	Practical	
20 UPSY 101 Semester-I	Foundations of Psychology	C.C.	04	04	08	04	02	06	60	15	25	10
20 UPSY 201 Semester-II	Social Psychology	C.C.	04	04	08	04	02	06	60	15	25	10
20 UPSY 301 Semester-III	Psychological Disorders	C.C.	04	04	08	04	02	06	60	15	25	10
20 UPSY 401 Semester-IV	✓ Statistical Methods & Psychological Research	C.C.	04	04	08	04	02	06	60	15	25	10
20 UPSY 501 Semester-V	Psychological Intervention	D.S.E	04	04	08	04	02	06	60	15	25	
20 UPSY 502 Semester-V	Bio-Psychology											
20 UPSY 503 Semester-V	✓ Developmental Psychology											
20 UPSY 601 Semester-VI	Counselling Psychology	D.S.E	04	04	08	04	02	06	60	15	25	
20 UPSY 602 Semester-VI	Health and Wellbeing											
20 UPSY 603 Semester-VI	Industrial and Organizational Psychology											
Total			24	24	48	24	12	36	240	90	150	10
20 UPSY701 O.E	Psychology and Life	O.E	05	01 Tutorial	06	05	01 Tutorial	06	80	20		

C.C. = Core Course

O.E.= Open Elective

D.S.E = Discipline Specific Collective

5.5

Chaudhary Bansi Lal University, Bhiwani
Department of Political Science

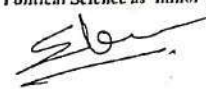

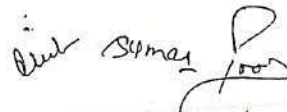

Scheme of Examinations for the Political Science Subject in Undergraduate Programmes
As per NEP 2020 Curriculum and Credit Framework for Undergraduate Programmes

(Multiple Entry-Multiple Exit, Internship and Choice Based Credit System LOCF) with effect from session 2024-25 (in phased manner)

Semester-1

Course Type	Applicable Scheme	Course Code	Nomenclature of the Course	Credits			Contact hours L:Lecture T:Tutorial			Internal Assessment Marks		End term Examination Marks		Total Marks	Examination hours	
				Total	Lecture (L)	Tutorial (T)	L	T	Total	T	P	T	P		T	P
CC-1 MCC-1	A, B & C	24UN-POL-101	Principles of Political Science-I	4	3	1	3	1	4	30	-	70	-	100	3	-
MCC-2	C	24UN-POL-102	Introduction to Political Theory	4	3	1	3	1	4	30	-	70	-	100	3	-
*CC-MI	A,B.	24UN-POL-103	Fundamentals of Political Science	2	2	N.A.	2	-	2	15	-	35	15	50	3	-
MDC-1	A,B,C, & D.	24UN-POL-104	Indian Polity-I	3	2	1	2	1	3	20	-	50	-	70	3	-
CC-MI	C	From Available CC/MCC of First Semester of 4 credits as per NEP from subjects other than Political Science														
AEC-1	A, B & C	From Available pool of Ability Enhancement Courses (Credits-2) as per NEP														
SEC-1	A, B & C	From Available pool of Skill Enhancement Courses (Credits-3) as per NEP														
VAC-1	A, B & C	From Available pool of Value Added Courses (Credits-2) as per NEP														

*For students who opted Political Science as minor course.

Yogesh Jaiswal

 Anurag

 Anil Kumar

 Anil Kumar


Handwritten notes and signatures on the right margin.

U-UG-POLITICAL SCIENCE-2024-25

Semester-2

Course Type	Applicable Scheme	Course Code	Nomenclature of the Course	Credits			Contact hours L: Lecture T: Tutorial			Internal Assessment Marks		End term Examination Marks		Total Marks	Examination hours	
				Total	Lecture (L)	Tutorial (T)	L	T	Total	T	P	T	P		T	P
CC-2 MCC-3	A, B & C	24UN-POL-201	Principles of Political Science-II	4	3	1	3	1	4	30	-	70	-	100	3	-
DSEC-1	C	24UN-POL-202	Indian Independence Movement	4	3	1	3	1	4	30	-	70	-	100	3	-
*CC-M2	A, B & D	24UN-POL-203	Fundamental of Political Science-II	2	2	-	2	-	2	15	-	35	-	50	3	-
MDC-2	A,B,C & D	24UN-POL-MDC-201	Indian Polity-II	3	2	1	2	1	3	20	-	50	-	70	3	-
CC-M2	C	From Available CC-2/MCC-3 of 4 credits as per NEP														
MDC-2	A, B & C	From Available pool of Multidisciplinary Courses from a subject of different discipline as per NEP														
AEC-2	A, B & C	From Available pool of Ability Enhancement Courses as per NEP														
SEC-2	A, B & C	From Available pool of Skill Enhancement Courses as per NEP														
VAC-2	A, B & C	From Available pool of Value Added Courses as per NEP														
Internship	A, B & C	24UN-POL-204	Internship of 4 Credits of 4-6 weeks duration after 2 nd Semester (Mandatory in case of exit)													

*For students who opt Political Science as a minor course.

Yogesh Jangra

Amish

Rang

Devi Sima

100

100

Annexure - B

Started from 2021-2022

CH. BANSI LAL UNIVERSITY, BHIWANI

(A State University established by Govt. of Haryana Act No. 25 of 2014)

Scheme of Examination for Bachelor of Arts with Political Science

Semester-I to VI

Credit-36

Total Marks= 600

Course/ Paper Code	Paper Name		Contact Hours Per Week			Credit			Examination Scheme		Total
			Theory	Tutorial	Total	Theory	Tutorial	Total	Theory	Internal Assessment	
20 UPOL 101 Semester 1	Indian Government & Politics	C.C.	5	1	6	5	1	6	80	20	100
20 UPOL 201 Semester 2	Introduction to Political Theory	C.C.	5	1	6	5	1	6	80	20	100
20 UPOL 301 Semester 3	Comparative Government & Politics	C.C.	5	1	6	5	1	6	80	20	100
20 UPOL 401 Semester 4	Introduction to International Relations	C.C.	5	1	6	5	1	6	80	20	100
20 UPOL 501 Semester 5	Public Policy & Governance 501	DSE	5	1	6	5	1	6	80	20	100
	Indian Political Thought 502										
20 UPOL 601 Semester 6	International Organizations 601	DSE	5	1	6	5	1	6	80	20	100
	Indian Foreign Policy 602										
Total			30	6	36	30	6	36	480	120	600
20 UPOL 701 O.E.	Human Rights	O.E.	5	1	6	5	1		80	20	100
20 UPOL 702 O.E.	Gender Studies	O.E.									

C.C. = Core Course

DSE= Disciplinary Specific Elective

OE= Open Elective



Bharat Maurya
13.07.2020

B.A- II/III year

Chaudhary Bansilal University, Bhiwani

(A State University established under Haryana Act No. 25 of 2014)

Examination Scheme
Syllabus

2023-24 (I/II/III year)
2024-25 (II/III year) old.

Bachelor of Art (Economics)

Course /Paper Code	Subjects	Type of Course	Contact Hours Per Week			Examination Scheme			Total
			Theory	Tutorial	Total	Theory	Internal Assessment	Practical	
Semester-1	Microeconomics-I)	C.C	5	1	6	80	20	-	100
Semester-2	Microeconomics-II)	C.C	5	1	6	80	20	-	100
✓ Semester-3	Macroeconomics- I	C.C	5	1	6	80	20	-	100
✓ Semester-4	Macroeconomics- II	C.C	5	1	6	80	20	-	100
✓ Semester-5	DSEC-1: Indian Economy DSEC-2: Economy of Haryana DSEC-3: Agricultural Economics DSEC-4 : Introduction to Econometrics	D.S.E	5	1	6	80	20	-	100
✓ Semester-6	DSEC-5: Development Economics DSEC-6: International Economics DSEC-7: Gender Economics DSEC-8: History of Economic Thought	D.S.E	5	1	6	80	20	-	100
Total			30	6	36	480	120	0	600

Vishy Kumar
2/1/2020

Chaudhary Bansi Lal University, Bhiwani
(A State University established by Govt. of Haryana Act No. 25 of 2014)

From Session: 2021-22

Scheme of Examination for Bachelor of Arts with Sanskrit

Semester-I to VI

Credits= 36

Total Marks = 600

Course/ Paper Code	Subjects	Type of Course	Contact Hours Per Week			Credit			Examination Scheme		Total
			Theory	Tutorial	Total	Theory	Tutorial	Total	Theory	Internal Assessment	
21 USKT 101 Semester-I	Poetry	C.C.	05	01	06	05	01	06	80	20	100
21 USKT 201 Semester-II	Prose	C.C.	05	01	06	05	01	06	80	20	100
21 USKT 301 Semester-III	Drama	C.C.	05	01	06	05	01	06	80	20	100
21 USKT 401 Semester-IV	Grammar	C.C.	05	01	06	05	01	06	80	20	100
21 USKT 501 Semester-V	Literature -I OR	D.S.E	05	01	06	05	01	06	80	20	100
21 USKT 502 Semester-V	Grammar-I										
21 USKT 601 Semester-VI	Literature-II OR	D.S.E	05	01	06	05	01	06	80	20	100
21 USKT 602 Semester-VI	Grammar-II										
Total			30	06	36	30	06	36	480	120	600

C.C. = Core Course

D.S.E = Discipline Specific Elective

[Handwritten signatures]

Department of Mathematics
(UG)

Ch. Bansi Lal University, PremNagar, Bhiwani

Scheme of Examination for the Mathematics Subject in Under Graduate Programmes
as per NEP 2020 Curriculum and Credit Framework for Undergraduate Programmes

(Multiple Entry-Exit, Internships and Choice Based Credit System LOCF) with effect from the session 2024-25 (in a phased manner)

Semester-1

Course Type	Applicable Scheme	Course Code	Nomenclature of the Course	Credits			Contact hours L: Lecture P: Practical T: Tutorial			Internal Assessment Marks		End term Examination Marks		Total Marks	Examination hours	
				Total	Theory (T)	Practical (P)	L	P	Total	T	P	T	P		T	P
CC-1 ✓MCC-1	A, B & C	24UN-MTH-101	Calculus	4	3	1	3	2	5	20	10	50	20	100	3	3
MCC-2	C	24UN-MTH-102	Advanced Calculus	4	3	1	3	2	5	20	10	50	20	100	3	3
*CC-M1	A, B & D	24UN-MTH-103	Basic Calculus	2	1	1	1	2	3	10	5	20	15	50	3	3
CC-M1	C	From Available CC-1/MCC-1 of 4 credits as per NEP														
MDC I	A, B & C	From Available pool of Multidisciplinary Courses from a subject of different discipline as per NEP.														
AEC-I	A, B & C	From Available pool of Ability Enhancement Courses as per NEP														
SEC-I	A, B & C	From Available pool of Skill Enhancement Courses as per NEP														
VAC-I	A, B & C	From Available pool of Value Added Courses as per NEP														

*For students who opt Mathematics as a minor subject

Chaudhary Bansi Lal University, Bhiwani

(A State University established by Govt. of Haryana Act No. 25 of 2014)

Scheme of Examination for Bachelor of Arts with English

Semester-I to VI

Credits= 36

Total Marks = 600

Course/ Paper Code	Subjects	Type of Course	Contact Hours Per Week			Credit			Examination Scheme			Total
			Lecture	Tutorial	Total	Theory	Practical	Total	Theory	Internal Assessment	Practical	
20UENG101 Semester-I	The Individual and Society	CC (Core Optional)	05	01	06	06	00	06	80	20	00	100
20UENG201 Semester-II	Cultural Diversity	CC (Core Optional)	05	01	06	06	00	06	80	20	00	100
20UENG301 Semester-III	Indian Literature	CC (Core Optional)	05	01	06	06	00	06	80	20	00	100
20UENG401 Semester-IV	English Literature	CC (Core Optional)	05	01	06	06	00	06	80	20	00	100
20UENG501 Semester-V	Introduction to Literature & Literary Devices	D.S.E.	05	01	06	06	00	06	80	20	00	100
20UENG502 Semester-V	Modern Indian Literature I	D.S.E.										
20UENG601 Semester VI	Modern English Literature	D.S.E.	05	01	06	06	00	06	80	20	00	100
20UENG602 Semester VI	Modern Indian Literature II	D.S.E.										
Total			36	00	36	36	00	36	480	120	00	600

S. W. K. S.

[Signature]

D.S.E.= Disciplinary Specific Elective

Chaudhary Bansi Lal University, Bhiwani
(A State University established by Govt. of Haryana Act No. 25 of 2014)

Scheme of Examination for Bachelor of Arts

Semester-I to IV

Credits= 16

Total Marks = 400

Course/ Paper Code	Subjects	Type of Course	Contact Hours Per Week			Credit			Examination Scheme			Total
			Lecture	Tutorial	Total	Theory	Practical	Total	Theory	Internal Assessment	Practical	
20UENG01 Semester -I	English Core Course IA	C.C.	04	00	04	04	00	04	80	20	00	100
20UENG02 Semester-II	English Core Course IB	C.C.	04	00	04	04	00	04	80	20	00	100
20UENG03 Semester-III	English Core Course IC	C.C.	04	00	04	04	00	04	80	20	00	100
20UENG04 Semester-IV	English Core Course ID	C.C.	04	00	04	04	00	04	80	20	00	100
Total			16	00	16	16	00	16	320	80	00	400

C.C. = Core Course (Compulsory)

S. K. Singh

Chaudhary Bansi Lal University, Bhiwani

(A State University established by Govt. of Haryana Act No. 25 of 2014)

Scheme of Examination for Bachelor of Arts

Semester-V & VI

Credits= 12

Total Marks = 200

Course/ Paper Code	Subjects	Type of Course	Contact Hours Per Week			Credit			Examination Scheme			Total
			Lecture	Tutorial	Total	Theory	Practical	Total	Theory	Internal Assessment	Practical	
20UENG51 Semester-V	Academic Writing and Composition	G.E.C. I A	05	01	06	06	00	06	80	20	00	100
20UENG52 Semester-V	English for Competitive Examinations	G.E.C. I B										
20UENG61 Semester VI	Partition Literature	G.E.C. II A	05	01	06	06	00	06	80	20	00	100
20UENG62 Semester VI	Women's Writing and Women's Empowerment	G.E.C. II B										
Total			12	00	12	12	00	12	160	40	00	200

G.E.C.: Generic Elective Course

S. K. Singh
- 10/10/20

Chaudhary Bansi Lal University, Bhiwani

(A State University established by Govt. of Haryana Act No. 25 of 2014)

Scheme of Examination for Bachelor of Arts

Credits: 8

Total Marks: 400

Course Code	Nomenclature	Type of Course	Contact Hours Per Week			Credit			Examination Scheme			
			Lecture	Tutorial	Total	Theory	Practical	Total	Theory	Internal Assessment	Practical	Total
ENG1001	Functional English	A.E.C.C.I	2	-	2	2	-	2	80	20	-	100
ENG1002	Creative Writing	N.C.C.C.I	2	-	2	2	-	2	80	20	-	100
ENG2001	Translation Studies	N.C.C.C.II	2	-	2	2	-	2	80	20	-	100
ENG5001	Communication Skills	S.E.C.III	2	-	2	2	-	2	80	20	-	100
Total			8		8	8		8	320	80		400

AECC: Ability Enhancement Compulsory Course

SEC: Skill Enhancement Course

NCCC: Non CGPA Compulsory Course

Signature



Chaudhary Bansi Lal University, Bhiwani Annexure-II
(A State University established by Govt. of Haryana Act No. 25 of 2014) Session: 2021-22
Scheme of Examination for Bachelor of Arts Hindi Compulsory

Semester - I

Paper as per Main Scheme of UG	Paper Code	Paper Name	Type Course	Contact Hours Per Week			Credit			Examination Scheme		Total
				Theory	Tutorial /FW	Total	Theory	Tutorial /FW	Total	Theory	Internal Assessment	
CC II A Hindi	UHND-101 ✓	हिन्दी साहित्य का इतिहास	CC (Core Compulsory)	4	---	4	4	---	4	80	20	100
AECC-I	UHND-102	हिन्दी भाषा और संप्रेषण	AECC	2	---	2	2	---	2	80	20	100
NCCC-I	UHND-103 ✓	सृजनात्मक लेखन के विविध क्षेत्र	NCCC	2	---	2	2	---	2	80	20	100
Total				08	---	08	08	---	08	240	60	300

Semester - II

CC II B Hindi	UHND-201 ✓	मध्यकालीन हिन्दी कविता	CC (Core Compulsory)	4	---	4	4	---	4	80	20	100
AECC-II	UHND-202	हिन्दी भाषा और संप्रेषण	AECC	2	---	2	2	---	2	80	20	100
NCCC-II	UHND-203 ✓	अनुवाद	NCCC	2	---	2	2	---	2	80	20	100
Total				08	---	08	08	---	08	240	60	300

Semester - III

CC II C Hindi	UHND-301 ✓	आधुनिक हिन्दी कविता	CC (Core Compulsory)	4	---	4	4	---	4	80	20	100
Total				04	---	04	04	---	04	80	20	100

Semester - IV

CC II D Hindi	UHND-401 ✓	हिन्दी गद्य साहित्य	CC (Core Compulsory)	4	---	4	4	---	4	80	20	100
Total				04	---	04	04	---	04	80	20	100

Prangji

12/11/21

Sharma

Arbit

Prangji



Chaudhary Bansi Lal University, Bhiwani Annexure-II

(A State University established by Govt. of Haryana Act No. 25 of 2014) Session: 2021-22

Scheme of Examination for Bachelor of Arts Hindi Compulsory

Semester - V

Paper as per Main Scheme of UG	Paper Code	Paper Name	Type Course	Contact Hours Per Week			Credit			Examination Scheme		Total
				Theory	Tutorial /FW	Total	Theory	Tutorial /FW	Total	Theory	Internal Assessment	
Option for DSEC III A	UHND-501 or UHND-502	कार्यालयी हिन्दी or हिन्दी-निबन्ध	DSEC	6	---	6	6	---	6	80	20	100
GEC I	UHND-503 ✓	संपादन प्रक्रिया और साज-सज्जा	GEC	6	---	6	6	---	6	80	20	100
SEC III	UHND-504 ✓	हिन्दी संचार कोशल	SEC	2	---	2	2	---	2	80	20	100
Total				14	---	14	14	---	14	240	60	300

Semester - VI

DSEC III B	UHND-601 or UHND-602	लोक साहित्य or हिन्दी की राष्ट्रीय काव्यधारा	DSEC	6	---	6	6	---	6	80	20	100
GEC II	UHND-603 ✓	हिन्दी व्याकरण और संप्रेषण	GEC	6	---	6	6	---	6	80	20	100
Total				12	---	12	12	---	12	160	40	200

CC= Core Course, AECC= Ability Enhancement Courses, SEC= Skill Enhancement Courses, DSE= Discipline Specific Elective Course, NCCC= Non C.G.P.A. Compulsory Courses

- Note : 1. For AECC -I*
Students have to choose either Communicative Language (English/Hindi)/EVS
2. For AECC-II*
Students have to choose either Communicative Language (English/Hindi)/EVS

* Those Students who have choose EVS in First Semester have to choose Communicative Language in Second Semester and Vice-Versa

Manjiv

Manjiv

Manjiv

Manjiv

Manjiv

Manjiv

Chaudhary Bansi Lal University, Bhiwani Annexure-V

(A State University established by Govt. of Haryana Act No. 25 of 2014)

From session 2021-2022

Scheme of Examination for Bachelor of Arts (B.A) with Music

Semester-I to VI

Credits= 36

Total Marks = 600

Paper Code/Semester	Course	Type of Course	Contact Hours Per Week			Credit			Examination Scheme			Total
			Theory	Practical	Total	Theory	Practical	Total	Theory	Internal Assessment	Practical	
I 21UMUS101 Semester I	Hindustani Music-I	C.C.	03		06	03		06	40	10		100
I 21UMUS102 Semester I	Practical	C.C.		06			03					
II 21UMUS201 Semester II	Hindustani Music-II	C.C.	03		06	03		06	40	10		100
II 21UMUS202 Semester II	Practical	C.C.		06					03			
III 21UMUS301 Semester III	Hindustani Music-III	C.C.	03		06	03		06	40	10		100
III 21UMUS302 Semester III	Practical	C.C.		06					03			
IV 21UMUS401 Semester IV	Hindustani Music-IV	C.C.	03		06	03		06	40	10		100
IV 21UMUS402 Semester IV	Practical	C.C.		06					03			

21 UMUS501 Semester V	Hindustani Music-V		03			03			40	10		100
21 UMUS501-A Semester V	Practical OR	D.S.E		06	07		03	06			50	
21 UMUS502 Semester V	Hindustani Music		06	-	06	06	-	06	80	20		100
21 UMUS601 Semester VI	Hindustani Music-VI		03	-	07	03		06	40	10		100
21 UMUS601-A Semester VI	Practical OR	D.S.E		06			03				50	
21 UMUS602 Semester VI	Hindustani Music		06	-	06	06	-	06	80	20	-	100
Total			18	36	54	18	18	36	240	60	300	600

C.C. = Core Course

D.S.E = Discipline Specific Elective

Chaudhary Bansi Lal University, Bhiwani

(A State university established by Govt. of Haryana Act No.25 of 2014)

Semester- I to VI

Scheme of Examination for Bachelor of Art with History
Credit-42

Total Marks=700

Course/ Paper Code	Subjects		Contact Hours Per Week			Credit			Examination Scheme			Total
			Theory	Tutorial/FW	Total	Theory	Tutorial/FW	Total	Theory	Internal Assessment	Field Work	
20 UHIS 101 Semester-1	History of India from the Earliest Times up to 300 A.D.	CC	5	1	6	5	1	6	80	20		100
20 UHIS 201 Semester-2	History of India from 300 A.D. to 1206 A.D.	CC	5	1	6	5	1	6	80	20		100
20 UHIS 301 Semester-3	History of India from 1206 A.D. to 1707 A.D.	CC	5	1	6	5	1	6	80	20		100
20 UHIS 401 Semester-4	History of India from 1707 A.D. to 1950 A.D.	CC	5	1	6	5	1	6	80	20		100
20 UHIS 501 Semester-5	History of Haryana-501 Ancient and Medieval world-502 Historical Tourism: Theory & Practice-503	DSE	5	1	6	5	1	6	80	20		100
20 UHIS 601 Semester-6	Modern World-601 Some Aspects of European History: 1780 A.D.-1945 A.D.-602 Museums & Archives in India-603	DSE	5	1	6	5	1	6	80	20		100
20 UHIS 701	Indian National Movement	OE	5	1	6	5	1	6	80	20		100

CC= Core Course

FW= Field Work

DSE= Disciplinary Specific Elective

OE=Open Elective

Signature
17/01/2020

Physical Education & Sports

Chaudhary Bansi Lal University, Bhiwani

(A State University established by Govt. of Haryana Act No. 25 of 2014)

Session: 2021-22

Scheme of Examination for Bachelor of Arts with Physical Education & Health

Semester-I to VI

Credits= 36

Total Marks = 600

Paper Code/Semester	Subjects	Type of Course	Contact Hours Per Week			Credit			Examination Scheme			Total
			Theory	Practical	Total	Theory	Tutorial/Practical	Total	Theory	Internal Assessment	Practical	
21UPHY 101 Semester-I	Foundations of Physical Education	C.C.	05		07	05		06	60	15		100
21UPHY 102 Semester-I	Practical	C.C.		02			01					
21UPHY 201 Semester-II	Health, Hygiene & Nutrition	C.C.	05		07	05		06	60	15		100
21UPHY 202 Semester-II	Practical	C.C.		02			01					
21UPHY301 Semester-III	Psycho-physiological basis of Physical Education	C.C.	05		07	05		06	60	15		100
21UPHY302 Semester-III	Practical	C.C.		02			01					
21UPHY401 Semester-IV	Basics of Sports Training	C.C.	05		07		01	06	60	15		100
21UPHY402 Semester-IV	Practical	C.C.		02		05						

S. K. K.

21UPHY501 Semester-V	Science of Sports Training	D.S.E	05		07		01	06	60	15	25	100
21UPHY501-A Semester-V	Practical OR					05						
21UPHY502 Semester-V	Yoga Science	D.S.E	05		07		01	06	60	15	25	100
21UPHY502-A Semester-V	Practical				02		05					
21UPHY601 Semester-VI	Organization and Administration of Physical Education	D.S.E	05		07		01	06	60	15	25	100
21UPHY601-A Semester-VI	Practical OR				02		05					
21UPHY602 Semester-VI	Sports Journalism and Mass Media	D.S.E	05		07		01	06	60	15	25	100
21UPHY602-A Semester-VI	Practical				02		05					
Total			30	12	42	30	06	36	360	90	150	600

C.C. = Core Course

F.W. = Field Work

D.S.E = Discipline Specific Elective

Handwritten signature

Handwritten signature

B.A (ECONOMICS)

2024-25 (I sem)

Chaudhary Bansi Lal University, Prem Nagar, Bhiwani

Scheme of Examination of Bachelor of Economics

Curriculum and Credit Framework for Undergraduate Programmes as per NEP 2020

(Multiple Entry-Multiple Exit, Internships and Choice Based Credit System LOCF) with effect from the session 2024-25
(in phased manner)

Semester-1

Course Type	Applicable Scheme	Course Code	Nomenclature of the Course	Credits	Internal Assessment Marks	End term Examination Marks	Total Marks	Examination hours
CC-I, MCC-1	A, B & C	24UN-ECO-101	Micro Economics-I	4	30	70	100	3
MCC-2	C	24UN-ECO-102	Public Economics	4	30	70	100	3
CC-M1	A & B	24UN-ECO-103	Principles of Economics	2	15	35	50	3
CC-M1	C	24UN-ECO-104	Fundamental of Economics	4	30	70	100	3
MDC-I	A, B & C	From Available pool of Multidisciplinary Courses from a subject of different discipline as per NEP						
ABC-I	A, B & C	From Available pool of Ability Enhancement Courses as per NEP						
SEC-I	A, B & C	From Available pool of Skill Enhancement Courses as per NEP						
VAC-I	A, B & C	From Available pool of Value-Added Courses as per NEP						

Chaudhary Bansilal University, Bhiwani
(A State University established under Haryana Act No. 25 of 2014)

Examination Scheme
Syllabus

Bachelor of Art (Economics)

2023-24 (I/II/III year)
[2024-25 (II/III year) old.]

Course /Paper Code	Subjects	Type of Course	Contact Hours Per Week			Examination Scheme			Total
			Theory	Tutorial	Total	Theory	Internal Assessment	Practical	
Semester-1	Microeconomics-I)	C.C	5	1	6	80	20	-	100
Semester-2	Microeconomics-II)	C.C	5	1	6	80	20	-	100
Semester-3	Macroeconomics- I	C.C	5	1	6	80	20	-	100
Semester-4	Macroeconomics- II	C.C	5	1	6	80	20	-	100
Semester-5	DSEC-1: Indian Economy DSEC-2: Economy of Haryana DSEC-3: Agricultural Economics DSEC-4: Introduction to Econometrics	D.S.E	5	1	6	80	20	-	100
Semester-6	DSEC-5: Development Economics DSEC-6: International Economics DSEC-7: Gender Economics DSEC-8: History of Economic Thought	D.S.E	5	1	6	80	20	-	100
Total			30	6	36	480	120	0	600

Vishwanath
2/1/2024

English (ea)
D.S.E.= Disciplinary Specific Elective

Chaudhary Bansi Lal University, Bhiwani

(A State University established by Govt. of Haryana Act No. 25 of 2014)

Scheme of Examination for Bachelor of Arts

Semester-I to IV

Credits= 16

Total Marks = 400

Course/ Paper Code	Subjects	Type of Course	Contact Hours Per Week			Credit			Examination Scheme			Total
			Lecture	Tutorial	Total	Theory	Practical	Total	Theory	Internal Assessment	Practical	
20UENG01 Semester-I	English Core Course IA	C.C.	04	00	04	04	00	04	80	20	00	100
20UENG02 Semester-II	English Core Course IB	C.C.	04	00	04	04	00	04	80	20	00	100
20UENG03 Semester-III	English Core Course IC	C.C.	04	00	04	04	00	04	80	20	00	100
20UENG04 Semester-IV	English Core Course ID	C.C.	04	00	04	04	00	04	80	20	00	100
Total			16	00	16	16	00	16	320	80	00	400

C.C. = Core Course (Compulsory)

Shankar Singh

Chaudhary Bansi Lal University, Bhiwani

(A State University established by Govt. of Haryana Act No. 25 of 2014)

Scheme of Examination for Bachelor of Arts


Semester-V & VI

Credits= 12

Total Marks = 200

Course/ Paper Code	Subjects	Type of Course	Contact Hours Per Week			Credit			Examination Scheme			Total
			Lecture	Tutorial	Total	Theory	Practical	Total	Theory	Internal Assessment	Practical	
20UENG51 Semester-V	Academic Writing and Composition	G.E.C. I A	05	01	06	06	00	06	80	20	00	100
20UENG52 Semester-V	English for Competitive Examinations	G.E.C. I B										
20UENG61 Semester VI	Partition Literature	G.E.C. II A	05	01	06	06	00	06	80	20	00	100
20UENG62 Semester VI	Women's Writing and Women's Empowerment	G.E.C. II B	12	00	12	12	00	12	160	40	00	200
Total												

G.E.C.: Generic Elective Course

Pratt 

Chaudhary Bansi Lal University, Bhiwani

(A State University established by Govt. of Haryana Act No. 25 of 2014)

Scheme of Examination for Bachelor of Arts

Credits: 8

Total Marks:400

Course Code	Nomenclature	Type of Course	Contact Hours Per Week			Credit			Examination Scheme			
			Lecture	Tutorial	Total	Theory	Practical	Total	Theory	Internal Assessment	Practical	Total
ENG1001	Functional English	A.E.C.C.I	2	-	2	2	-	2	80	20	-	100
ENG1002	Creative Writing	N.C.C.C I	2	-	2	2	-	2	80	20	-	100
ENG2001	Translation Studies	N.C.C.C II	2	-	2	2	-	2	80	20	-	100
ENG5001	Communication Skills	S.E.C III	2	-	2	2	-	2	80	20	-	100
Total			8		8	8		8	320	80		400

AECC: Ability Enhancement Compulsory Course SEC: Skill Enhancement Course NCCC: Non CGPA Compulsory Course

Shukla *Shukla*

Corrected copy

UNDER CHOICE BASED CREDIT SYSTEM FOR BACHELOR OF COMPUTER APPLICATIONS (BCA) w.e.f. 2022-2023 (Total Credits: 130)

ER	CORE COURSE	CREDIT	ABILITY ENHANCEMENT COMPULSORY COURSE AECC	CREDIT	SKILL ENHANCEMENT COURSE SEC	CREDIT	Discipline Specific Elective DSE	Credit	Generic Elective Courses	Credit
	CC-Computer Fundamentals CC-PC Software CC-Mathematics CC-Digital Electronics CC-Practical Lab Based on PC Software	4 4 5 4 4	Communicative English/Environmental Sciences	2					Hobby Clubs (NCCCESE)*	1
	CC-Programming in C CC-Computer Organization and Architecture CC-System Analysis and Design CC-Operating System CC-Practical Lab Based on Programming in C and Operating System	4 4 4 4 4	Environmental Science/Communicative English	2					Hobby Club (NCCCESE)*	1
	CC-Data Structures CC-Database Management System CC-Data Communication and Networking CC-Practical Lab based on Data Structures and Database Management system	4 4 4 4	Hindi/Sanskrit	2	SEC-I Mathematical Foundation of Computing & Analysis	3				
	CC-Introduction to Web Designing CC-Software Engineering CC- Artificial Intelligence CC-Practical Based on Web Designing	4 4 4 4			SEC-II Data Mining	3			Personality Development (NCCCESE)*	1
					SEC-III (Choose any One) • Cyber Security • Machine Learning • Software Testing	3	DSE-I* DSE-II DSE-III	6 6 6		
					SEC-IV (Choose any One) • Cloud Computing • Management Information System • Internet of Things	3	DSE-IV DSE-V DSE-VI	6 6 6		

Note: In the first semester, in case of AECC-I, the students will opt either English or EVS and vice-versa in the Second semester in case of AECC-II.

*NCCCESE: Non CGPA Credit Courses Compulsory Specified Course

Signature

CHAUDHARY BANSI LAL UNIVERSITY, BHIWANI

Scheme and Syllabi of Bachelor of Computer Applications under CBCS (Semester I to VI) (w.e.f. 2022-23)

SEMESTER-I					
Paper Code	Paper Name	Type of Course	Credits (Theory/ Practical)	Contact Hours (Theory/ Practical)	Marks (External + Internal)
22BCA101	Computer Fundamentals	Core	4	4	80+20=100
22BCA102	PC Software	Core	4	4	80+20=100
22BCA103	Mathematics	Core	5	5	80+20=100
22BCA104	Digital Electronics	Core	4	4	80+20=100
22BCA105	Practical Lab Based on 22BCA102	Core	4	8	80+20=100
SEMESTER-II					
22BCA201	Programming in C	Core	4	4	80+20=100
22BCA202	Computer Organization and Architecture	Core	4	4	80+20=100
22BCA203	System Analysis and Design	Core	4	4	80+20=100
22BCA204	Operating System	Core	4	4	80+20=100
22BCA205	Practical Lab Based on 22BCA201 and 22BCA204	Core	4	8	80+20=100
SEMESTER-III					
22BCA301	Data Structures	Core	4	4	80+20=100
22BCA302	Database Management System	Core	4	4	80+20=100
22BCA303	Data Communication and Networking	Core	4	4	80+20=100
22BCA304	Practical Lab based on 22BCA301 and 22BCA302	Core	4	8	80+20=100
SEMESTER-IV					
22BCA401	Introduction to Web Designing	Core	4	4	80+20=100
22BCA402	Software Engineering	Core	4	4	80+20=100
22BCA403	Artificial Intelligence	Core	4	4	80+20=100
22BCA404	Practical Based on 22BCA401	Core	4	8	80+20=100

SEMESTER -V

Paper Code	Paper Name	Type of Course	Credits (Theory/ Practical)	Contact Hours (Theory/ Practical)	Marks (External + Internal)
Choose One:	Choose Any One:	Discipline Specific Elective	4 (T)+2 (P)	4 (T)+4 (P)	80+20=100 (T) 80+20=100 (P)
22BCA501	R Programming				
22BCA502	Programming in JAVA				
Choose One:	Choose Any One:	Discipline Specific Elective	4 (T)+2 (P)	4 (T)+4 (P)	80+20=100 (T) 80+20=100 (P)
22BCA503	Introduction to Linux				
22BCA504	Open Source Software				
Choose One:	Choose Any One:	Discipline Specific Elective	4 (T)+2 (P)	4 (T)+4 (P)	80+20=100 (T) 80+20=100 (P)
22BCA505	Object Oriented Programming using C++				
22BCA506	Introduction to .net				

SEMESTER -VI

Choose One:	Choose Any One:	Discipline Specific Elective	4 (T)+2 (P)	4 (T)+4 (P)	80+20=100 (T) 80+20=100 (P)
22BCA601	Programming in SCILAB				
22BCA602	Visual Basic				
22BCA603	Computer Graphics	Discipline Specific Elective	4 (T)+2 (P)	4 (T)+4 (P)	80+20=100 (T) 80+20=100 (P)
Choose One:	Choose Any One:				
22BCA604	Programming with Python				
22BCA605	Android Programming				
22BCA606	PHP Programming	Discipline Specific Elective	6	6	80+20=100
22BCA607	Project Work/Dissertation				

[Handwritten signatures]

Skill Enhancement Courses offered by Department of IC&T
Scheme of Examination of Skill Enhancement Courses for BCA under CBCS
 (w.e.f. 2022-23)

SEMESTER-III					
Paper Code	Paper Name	Type of Course	Credits (Theory/ Practical)	Contact Hours (Theory/ Practical)	Marks (External + Internal)
22USECBCA301	Mathematical Foundation of Computing & Analysis	Skill Enhancement Course	3	3	80+20=100
SEMESTER-IV					
22USECBCA401	Data Mining	Skill Enhancement Course	3	3	80+20=100
SEMESTER-V					
Choose One:	Choose One:	Skill Enhancement Course	3	3	80+20=100
22USECBCA501	Cyber Security				
22USECBCA502	Machine Learning				
22USECBCA503	Software Testing				
SEMESTER-VI					
Choose One:	Choose One:	Skill Enhancement Course	3	3	80+20=100
22USECBCA601	Cloud Computing				
22USECBCA602	Management Information System				
22USECBCA603	Internet of Things				

Handwritten signature

Ch. Bansi Lal University, Bhiwani

Scheme of Examination for the Computer Science Subject in Under Graduate Programmes
as per NEP2020 Curriculum and Credit Framework for Undergraduate Programmes

(Multiple Entry-Exit, Internships and Choice Based Credit System LOCF) with effect from the session 2024-25 (in a phased manner)

Semester-1

Course Type	Course Code	Nomenclature of the Course	Credits			Contact hours L: Lecture P: Practical T: Tutorial			Internal Assessment Marks		End term Examination Marks		Total Marks	Examination hours	
			Total	Theory (T)	Practical (P)	L	P	Total	T	P	T	P		T	P
CC-A1	24UN-BCA-101	Problem Solving through C	4	3	1	3	2	5	20	10	50	20	100	3	3
CC-B1	24UN-BCA-102	Foundations of Computer Science	4	3	1	3	2	5	20	10	50	20	100	3	3
CC-C1	24UN-BCA-103	Logical Organization of Computer	4	3	1	3	2	5	20	10	50	20	100	3	3
CC-M1	24UN-BCA-104	Mathematical Foundations for Computer Science-I	2	1	1	1	2	3	10	5	20	15	50	3	3
MDC1	To be taken from other department - CSR														
AEC-1	To be taken from AEC Pool - Eng														
SEC-1	To be taken from SEC Pool - Computer														
VAC-1	To be taken from VAC Pool - EVS														

Table 1: UG Curriculum Framework (Interdisciplinary): Scheme D

UG Programme (Interdisciplinary): Scheme D

Subject-1 Courses	Subject-2 Core Courses	Subject-3 Core Courses	Minor/Vocational	Multidisciplinary Courses	Ability Enhancement Courses *	Skill Enhancement Courses *	Value Added Courses *	Total Credits	Exit Option
CC-A1 4 credit	CC-B1 4 credit	CC-C1 4 credit	CC-M1 2 credit	MDC 1 3 credit	AEC 1 2 credit	SEC 1 3 credit	VAC 1 2 credit	24	Under Graduate Certificate in Discipline with 52 credits
CC-A2 4 credit	CC-B2 4 credit	CC-C2 4 credit	CC-M2 2 credit	MDC 2 3 credit	AEC 2 2 credit	SEC 2 3 credit	VAC 2 2 credit	24	
Internship of 4 credits of 4-6 weeks duration after 2nd semester									
CC-A3 4 credit	CC-B3 4 credit	CC-C3 4 credit	CC-M3 4 credit	MDC 3 3 credit	AEC 3 2 credit	SEC 3 3 credit	--	24	Under Graduate Diploma in Discipline with 96 credits
CC-A4 4 credit	CC-B4 4 credit	CC-C4 4 credit	CC-M4 (V) 4 credit	--	AEC 4 2 credit	--	VAC 3 2 credit	20	
Internship of 4 credits of 4-6 weeks duration after 4th semester									
CC-A5 4 credit	CC-B5 4 credit	CC-C5 4 credit	CC-M5 (V) 4 credit	--	--	Internship# 4 credit	--	20	Bachelor in Discipline with 132 credits
CC-A6 4 credit	CC-B6 4 credit	CC-C6 4 credit	CC-M6 4 credit CC-M7 (V) 4 credit	--	--	--	--	20	
Major = 72	Minor = 24	MDC = 09		SEC = 09	AEC = 08	Internship 04	VAC = 06	Total = 132	

Internship, earned by a student during summer internship after 2nd semester or 4th semester, will be taken into account in 5th semester of a student who pursue 3 year UG Programme without taking exit option.

Scheme of Examination for Undergraduate Programmes
Skill Enhancement Courses (Computer Science)
 According to Curriculum Framework for Undergraduate Programmes
 as per NEP 2020 (Multiple Entry-Exit, Internships and Choice Based Credit System)

Sem	Course Type	Course Code	Nomenclature of paper	Credits	Contact hours	Internal marks	End term Marks	Total Marks	Duration of exam (Hrs) T + P
I ✓	SEC	24UN-BCA-SEC-101	Advance Spreadsheet Tools	2	2	15	35	50	3
			Practical	1	2	5	15	20	3
	SEC	24UN-BCA-SEC-102	Advance IT Skills	2	2	15	35	50	3
			Practical	1	2	5	15	20	3
II	SEC	24UN-BCA-SEC-201	Introductory Course in R	2	2	15	35	50	3
			Practical	1	2	5	15	20	3
	SEC	24UN-BCA-SEC-202	Cloud Computing Skills	2	2	15	35	50	3
			Practical	1	2	5	15	20	3
III	SEC	24UN-BCA-SEC-301	Essentials of Python	2	2	15	35	50	3
			Practical	1	2	5	15	20	3

Chaudhary Bansi Lal University, Bhiwani
Scheme of Examination for M.Sc.-PHYSICS

Semester-I (w.e.f. 2023-24)

Credits- $32 \times 4 = 132$

Marks-700

Sr. No.	Course/Paper Code	Courses	Type of Course	Credit			Contact Hours Per Week			Examination Scheme			Total Marks
				Theory (L,+T)	Practical /Seminar	Total	Theory (L,+T)	Practical /Seminar	Total	Major Test (End Semester Exam)	Internal Assessment	Practical/ Seminar	
1	22PHY-101	Mathematical Physics	C.C.	4+1	--	5	4+1	--	5	80	20	--	100
2	22PHY-102	Classical Mechanics	C.C.	4+1	--	5	4+1	--	5	80	20	--	100
3	22PHY-103	Quantum Mechanics-I	C.C.	4+1	--	5	4+1	--	5	80	20	--	100
4	22PHY-104	Electronic Devices and Circuits-I	C.C.	4+1	--	5	4+1	--	5	80	20	--	100
5	22PHY-105	Communication Skills	A.E.C.C.	2+0	--	2	2	--	2	40	10	--	50
6	22PHY-106	IT Fundamentals	S.E.C.	2+0	2	2	2	--	2	40	10	--	50
7	22PHY-107	Physics Laboratory-I		--	4	4	--	8	8	--	20	80	100
8	22PHY-108	Physics Laboratory-II		--	4	4	--	8	8	--	20	80	100
Total						32			40				700

C.C. = Core Course

S.E.C.=Skill Enhancement Course

A.E.C.C.= Ability Enhancement Compulsory Course

Note: L-Lecture, T-Tutorial

Chaudhary Bansi Lal University, Bhiwani
Scheme of Examination for M.Sc. PHYSICS

Sr. No.	Course/Paper Code	Courses	Type of Course	Credit			Contact Hours Per Week			Examination Scheme			Total Marks
				Theory (L+T)	Practical /Seminar	Total	Theory	Practical /Seminar	Total	Major Test (End Semester Exam)	Internal Assessment	Practical/ Seminar	
				Marks-750									
1	22PHY 301	Electrodynamics ✓	C.C.	4+1	--	5	4+1	--	5	80	20	--	100
2	22PHY 302	Atomic & Molecular Physics-I ✓	C.C.	4+1	--	5	4+1	--	5	80	20	--	100
3	Any one of the following subject electives specializations Discipline Specific Elective I		D.S.E.	4+1	--	5	4+1	--	5	80	20	--	100
4	Any one of the following subject electives specializations Discipline Specific Elective II		D.S.E.	4+1	--	5	4+1	--	5	80	20	--	100
5	22PHY 305	Physics Laboratory-IV		--	4	4	--	8	8	--	20	80	100
6	22PHY 306	Physics Laboratory-V		--	4	4	--	8	8	--	20	80	100
7	22PHY 307	Seminar	S.E.C	--	2	2	--	4	4	--	20	80	100
8	22PHY 308	Open Elective -II	O.E.C	2	0	2	2	--	2	--	--	--	50
Total						32			42				750

C.C. = Core Course, D.S.E. = Discipline Specific Elective, O.E.C. = Open Elective Course

Note: 1. L-Lecture, T-Tutorial
 2. The Discipline Elective Courses will be selected only in combination from the table given below i.e. if one select 22PHY 303A from DSE I then accordingly he/she will have 22PHY 304A as another course from DSE II.

Discipline Specific Elective I		Discipline Specific Elective II	
22PHY 303A	Radiation Physics ✓	22PHY 304A	Condensed Matter Physics-I
22PHY 303B	Material Science-I ✓	22PHY 304B	Nuclear Physics-I
22PHY 303C	Physics of Nano-materials ✓	22PHY 304C	Electronics-I ✓

3. The Discipline Elective Courses can be offered depending upon the availability of the resources and faculties.
 4. For Open Elective-II, students will have to choose a course from the list of open electives offered by other Departments of the University.

Department of Physics (UG)

Chaudhary Zansi Lal University Bhiwani
 Scheme of Examination for the Department of Physics
 as per NEP 2020 Curriculum Framework for Undergraduate Programmes
 (Multiple Entry-Exit, Internships and Choice Based Credit System (CBCS) with effect from the session 2024-25 onwards in the following manner)

Semester-I

Course Type	Applicable Scheme	Course Code	Nomenclature of paper	Credits	Contact hours	Internal marks	End term Marks	Total Marks	Duration of event (Days) T/P
CC-1/ MCC-1	A,B&C	24UN-PHY-101	Mechanics	3	3	20	50	70	1
			Practicum	1	2	10	20	30	1
MCC-2	C	24UN-PHY-102	Mathematical Physics	3	3	20	50	70	2
			Practicum	1	2	10	20	30	1
CC-MI	A,B &C	24UN-PHY-103	Elementary Mechanics	1	1	10	20	30	1
			Practicum	1	2	5	15	20	1
MDC1	A, B,C&D	24UN-PHY-104	Physics Fundamentals-I	2	2	10	40	50	1
			Practicum	1	2	10	10	20	1
AEC-1	A,B&C		From Available pool						Ability Enhancement Courses as per NEP
SEC-1	A,B&C		From Available pool						Skill Enhancement Courses as per NEP
VAC-1	A,B&C		From Available pool						of Value Added Courses as per NEP

Schedule of Examination for SEC

Semester	Course Type	Applicable Scheme	Course Code	Nomenclature of paper	Credits	Contact hours	Internal marks	End term Marks	Total Marks	Duration of exam (Hrs.) T+P
1	SEC-1	A, B,C&D	24UN-PHY-SEC-101	Computational Skills in Physics	2	2	15	35	50	3
				Practicum	1	2	05	15	20	3
2	SEC-2	A, B,C	24UN-PHY-SEC-101	Basic Instrumentation Skills	2	2	15	35	50	3
				Practicum	1	2	05	15	20	3

Semester-II

Course Type	Applicable Scheme	Course Code	Nomenclature of paper	Credits	Contact hours	Internal marks	End term Marks	Total Marks	Duration of exam (Hrs.) T+P
CC-2/ MCC-3	A,B&C	24UN-PHY-201	Electricity and Magnetism & EM Theory	3	3	20	50	70	3
			Practicum	1	2	10	20	30	3
CC-M2	A, B & C	24UN-PHY-202	Elementary Electricity, Magnetism & EM Theory	1	1	10	20	30	3
			Practicum	1	2	5	15	20	3
DSEC-1	B & C	24UN-PHY-203	Computational Physics	3	3	20	50	70	3
			Practicum	1	2	10	20	30	3
MDC-2	A, B,C&D	24UN-PHY-204	Physics Fundamentals-II	2	2	20	30	50	3
			Practicum	1	2	10	10	20	3
AEC-2	A,B&C	From Available pool of Ability Enhancement Courses as per NEP							
SEC-2	A,B&C	From Available pool of Skill Enhancement Courses as per NEP							
VAC-2	A,B&C	From Available pool of Value Added Courses as per NEP							
Internship	A,B&C	24UN-PHY-204	Internship of 4 Credits of 4-6 weeks duration after 2 nd Semester (Mandatory in case of exit)						

SCHEME OF EXAMINATION
B.Sc. (PASS COURSE) PHYSICS Semester I - IV w.e.f. 2020-21

Semester I

Paper No.	Paper Code	Name of the paper	Credit	Contact hours per week	Max mark	Internal Assessment	Total
Paper I	20UPHY-101	Mechanics I	2	2	40	10	50
Paper II	20UPHY -102	Electrostatics & Magnetism	2	2	40	10	50
Paper III	20UPHY -103	Physics Lab I	2	4	40	10	50
Total			6	8	120	30	150

Semester II

Paper No.	Paper Code	Name of the paper	Credit	Contact hours per week	Max mark	Internal Assessment	Total
Paper I	20UPHY-201	Mechanics II	2	2	40	10	50
Paper II	20UPHY-202	Waves and Electrodynamics	2	2	40	10	50
Paper III	20UPHY-203	Physics Lab II	2	4	40	10	50
Total			6	8	120	30	150

Semester III

Paper No.	Paper Code	Name of the paper	Credit	Contact hours per week	Max mark	Internal Assessment	Total
Paper I	20UPHY-301	Thermodynamics	2	2	40	10	50
Paper II	20UPHY-302	Optics	2	2	40	10	50
Paper III	20UPHY-303	Physics Lab III	2	4	40	10	50
Total			6	8	120	30	150

Semester IV

Paper No.	Paper Code	Name of the paper	Credit	Contact hours per week	Max mark	Internal Assessment	Total
Paper I	20UPHY-401	Semiconductor Physics	2	2	40	10	50
Paper II	20UPHY-402	Quantum Mechanics	2	2	40	10	50
Paper III	20UPHY-403	Physics Lab IV	2	4	40	10	50
Total			6	8	120	30	150

B.Sc. (PASS COURSE) PHYSICS Semester V – VI w.e.f. 2020-21

Semester V

Paper No.	Paper Code	Name of the paper	Credit	Contact hours per week	Max mark	Internal Assessment	Total
Paper I	20UPHY-501	Discipline Specific Elective Group I	2	2	40	10	50
Paper II	20UPHY-502	Discipline Specific Elective Group II	2	2	40	10	50
Paper III	20UPHY-503	Physics Lab V	2	4	40	10	50
Total			6	8	120	30	150

Semester VI

Paper No.	Paper Code	Name of the paper	Credit	Contact hours per week	Max mark	Internal Assessment	Total
Paper I	20UPHY-601	Discipline Specific Elective Group III	2	2	40	10	50
Paper II	20UPHY-602	Discipline Specific Elective Group IV	2	2	40	10	50
Paper III	20UPHY-603	Physics Lab VI	2	4	40	10	50
Total			6	8	120	30	150

INTERNAL ASSESSMENT: - The Internal Assessment for practical papers comprises of

- | | | |
|--------------|-----------------------------|-----------|
| (i) | Attendance- | 05 |
| (ii) | Seminar/presentation/report | 05 |
| Total | | 10 |

<p>Odd Semester: (Choose any one from each group)</p> <p>Discipline Specific Elective Group-I 20UPHY 501A Solid State Physics 20UPHY 501B Medical Physics</p> <p>Discipline Specific Elective Group-II 20UPHY 502A Statistical Physics 20UPHY 502B Digital Electronics and microcontrollers</p>	<p>Even Semester: (Choose any one from each group)</p> <p>Discipline Specific Elective Group-III 20UPHY 601A Nuclear Physics 20UPHY 601B Nano Materials and Applications</p> <p>Discipline Specific Elective Group-IV 20UPHY 602A Atomic & Molecular Spectroscopy 20UPHY 602B Computational Physics</p>
--	--

Dept. of Physics (UG+PG)

ADARSH MAHILA MAHAVIDYALAYA, BHIWANI

ESTIMATED WORK LOAD ACCORDING TO LECTURER FOR THE SESSION 2024-25

Sr. No.	Name of Lecturers	Class	Subject	Student Strength	No. of Section	No. of periods per section	Total no. of periods Theory/Text	Total No. of Students in each composition/practical group	No. of Groups/Composition periods	Period per Group	Total No. of Practical/Composition periods	Total of Col 8 & 12	
1	2	3	4	5	6	7	8	9	10	11	12	13	
	Dr. Nisha Sharma	BSc-2 nd	Physics (PP2-2)	73	1	2 } 2	5	20	3.75	4	15	20	
		BSc-I	(PP2-1)	70 & onwards	1	3 }							
2)	Indu Vashista	BSc-2 nd	(PP2-1)	73	1	2 } 2	7	20	4.25	4	17	24	
		MSc-I	(OM)	11	1	5 }							
3)	Deepamshi Mam	BSc-3 rd	(PP2-1)	75	1	2 } 2	10	20-UG	6	2	12	24	
			(PP2-2)			1 }							10-MSc-I
4)	Monika Mam	MSc-I	(Electronics)	10	1	5 }	10	20-UG	2	2	14	24	
		BSc-I	(SKILL)	70 & onwards	1	2 }							10-PG
5)	Manisha Mam	MSc-I	(CM)	10	1	5 }	10	20-UG	1	2	14	24	
		MSc-II nd	(Atomic)	11	1	5 }							11-PG
6)	New Teacher	MSc-II	(Electronics)	11	1	5 } 2	11	11	1-(MSc-I) 0.6	1	10	21	
		MSc-II	(Nano)	11	1	5 }							1-(MSc-II) 4
		BSc-3 rd	(PP2-2)	75	1	1 }							

Indu

BOTANY DEPARTMENT

DEPARTMENT OF BOTANY, CHAUDHARY HANSHU LAL UNIVERSITY, BHIVANI
 Scheme of Examination for Under-Graduate Programme
 Under Multiple Entry-Exit, Internship and CBCS-LOCF in accordance to NEP-2020 w.e.f. 2024-25 (in
 phased manner)
 Subject: Botany

SEMESTER-1									
Remarks	Course	Paper(s)	Nomenclature of Paper	Credits	Hours/Week	Internal marks	External Marks	Total Marks	Exam Duration
Scheme A & C	CC-1	24U N- BOT- 101	Diversity of Microbes, Algae, Fungi and Archegonates	3	3	20	50	70	1 hrs
	MCC-1			4 credit	Practical	1	2	10	20
Scheme C only	MCC-2	24U N- BOT- 102	Conservation Biology	3	3	20	50	70	3 hrs
	4 credit			Practical	1	2	10	20	30
Scheme A	CC-M1	24U N- BOT- 103	Flora Diversity	1	1	10	20	30	1 hrs
	2 credit			Practical	1	2	5	15	20
Scheme C only	CC-M1	From Available CC-M1/MCC-1 of 4 credits as per NEP							
Scheme A & C	MDC-1	From available pool of Multidisciplinary Courses from a subject of different discipline as per NEP							
Scheme A & C	AEC-1	From Available AEC-1 of two credits as per NEP							
	SEC-1	From Available SEC-1 of three credits as per NEP							
	VAC-1	From Available VAC-1 of two credits as per NEP							
	2 credit								

SEMESTER-2									
Remarks	Course	Paper(s)	Nomenclature of Paper	Credits	Hours/Week	Internal marks	External Marks	Total Marks	Exam Duration
Scheme A & C	CC-2	24U N- BOT- 201	Cell biology & Genetics	3	3	20	50	70	3 hrs.
	MCC-3		Practical	1	2	10	20	30	4 hrs.
Scheme C only	DSEC-2	24U N- BOT- 202	Floriculture	3	3	20	50	70	3 hrs.
	4 credit		Practical	1	2	10	20	30	4 hrs.
Scheme A only	CC-M2	24U N- BOT- 203	Plants for Human Welfare	1	1	10	20	30	3 hrs.
	2 credit		Practical	1	2	5	15	20	4 hrs.
Scheme C only	CC-M2	From Available CC-M2/ MCC-2 of 4 credits as per NEP							
Scheme A & C	MDC-2	From available pool of Multidisciplinary Courses from a subject of different discipline as per NEP							
Scheme A & C	AEC-2	From Available AEC-2 of two credits as per NEP							
	SEC-2	From Available SEC-2 of three credits as per NEP							
	VAC-2	From Available VAC-2 of two credits as per NEP							
Internship of 4 credits of 4-6 weeks duration after 2 nd Semester									

78 - G.P.S

SCHEME OF EXAMINATION
B.Sc. (PASS COURSE) BOTANY Semester I-IV

Semester I

Paper No.	Paper Code	Name of Paper	Credits	Contact hours per week	Max Marks	Internal Assessment	Total
Paper I	20UBOT101	Diversity of Microbes	2	2	40	10	50
Paper II	20UBOT102	Diversity of Archegoniatates & Gymnosperms	2	2	40	10	50
Paper III	20UBOT103	Botany Lab I	2	4	50	---	50
			6	8	130	20	150

Semester II

Paper No.	Paper Code	Name of Paper	Credit	Contact hours per week	Max marks	Internal Assessment	Total
Paper I	20UBOT201	Ecology & Phytogeography	2	2	40	10	50
Paper II	20UBOT202	Plant Systematics	2	2	40	10	50
Paper III	20UBOT203	Botany Lab II	2	4	50	---	50
			6	8	130	20	150

Semester III

Paper No.	Paper Code	Name of Paper	Credit	Contact hours per week	Max marks	Internal Assessment	Total
Paper I	20UBOT301	Plant Anatomy	2	2	40	10	50
Paper II	20UBOT302	Plant Embryology	2	2	40	10	50
Paper III	20UBOT303	Botany Lab III	2	4	50	---	50
			6	8	130	20	150

Semester IV

Paper No.	Paper Code	Name of Paper	Credit	Contact hours per week	Max marks	Internal Assessment	Total
Paper I	20UBOT401	Plant Physiology	2	2	40	10	50
Paper II	20UBOT402	Plant Metabolism	2	2	40	10	50
Paper III	20UBOT403	Botany Lab IV	2	4	50	---	50
			6	8	130	20	150



Dr. Lalita Gupta



Dr. Monika Miglani



Dr. Anita



Dr. Poonam

Dr. Sunder Singh Arya



Sh. Mohan Lal



Ms. Deepika



Dr. K. D. Sharma



Mr. Abhinav Das



Ms. Sudha

B.Sc. (PASS COURSE) BOTANY Semester V-VI

Semester V

Paper No.	Paper Code	Name of Paper	Credit	Contact hours per week	Max marks	Internal Assessment	Total
Paper I	20UBOTDSE5A	DSE I	2	2	40	10	50
Paper II	20UBOTDSE5B	DSE II	2	2	40	10	50
Paper III	20UBOTDSE5P	Botany Lab V	2	4	50	---	50
			6	8	130	20	150

Semester VI

Paper No.	Paper Code	Name of Paper	Credit	Contact hours per week	Max marks	Internal Assessment	Total
Paper I	20UBOTDSE6A	DSE I	2	2	40	10	50
Paper II	20UBOTDSE6B	DSE II	2	2	40	10	50
Paper III	20UBOTDSE6P	Botany Lab VI	2	4	50	---	50
			6	8	130	20	150

INTERNAL ASSESSMENT: - Internal Assessment for Practical Paper comprises of

- | | | |
|------|-----------------------------|-----------|
| (i) | Attendance | 05 |
| (ii) | Seminar/Presentation/Report | 05 |
| | Total | 10 |

Discipline Specific Elective Course Offered by Department of Botany

5th semester

Choose any one group of papers from given three)

- JBOT501A Economic Botany & Biotechnology -I
- JBOT501B Economic Botany & Biotechnology -II
- JBOT502A Analytical techniques in Plant Science -I
- JBOT502B Analytical techniques in Plant Science -II
- JBOT503A Genetics & Plant Breeding -I
- JBOT503B Genetics & Plant Breeding -II

6th semester

(choose any one group of papers from given three)

- 20UBOT601A Cell & Molecular Biology -I
- 20UBOT601B Cell & Molecular Biology -II
- 20UBOT602A Environmental Biology -I
- 20UBOT602B Environmental Biology -II
- 20UBOT603A Biodiversity & Human Welfare -I
- 20UBOT603B Biodiversity & Human Welfare -II

Prof. Lalita Gupta

Dr. Monika Miglani

Dr. Amita

Dr. Poonam

Sh. Mohan Lal

Ms. Deepika

Dr. K.D. Sharma

Dr. Sunder Singh Arya

Ms. Anjali Das


Mrs. Monika


Ms. Sudha


B.Sc. (PASS COURSE) BOTANY Semester IV - VI


Skill Enhancement Course Offered by Department of Botany


SEMESTER-IV						
Paper Code	Name of Paper	Credit	Contact hours per week	Max marks	Internal Assessment	Total
20SECB404	Nursery & Gardening	3	3	40	10	50
SEMESTER-V						
20SECB504	Herbal Technology	3	3	40	10	50
SEMESTER-VI						
20SECB604	Mushroom Culture Technology	3	3	40	10	50



Prof. Laxita Gupta



Dr. Monika Miglani



Dr. Amita



Dr. Poonam

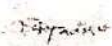

Sh. Mohar Lal



Ms. Deepika


Dr. K.D. Sharma


Dr. Sunder Singh Arya


Mr. Abhijit Das


Mrs. Monika


Ms. Sudha

CHAUDHARY BANSI LAL UNIVERSITY, BHIWANI

Scheme and Syllabi of B.Sc. Program with Computer Science under
CBCS (Semester I to VI)
(w.e.f. 2021-22)

SEMESTER - I					
Paper Code	Paper Name	Type of Course	Credits (Theory/ Practical)	Contact Hours (Theory/ Practical)	Marks (External + Internal)
20UCS101	Digital Electronics	Core	4	4	40+10=50
20UCS102	Virtual Lab (Based on 20UCS101)	Core	2	4	40+10=50
20USECCS101	Fundamental of IT	SEC (Compulsory)	2	2	40+10=50
20USECCS106	IT Workshop (Based on 20USECCS101)	SEC (Compulsory)	1	2	40+10=50
SEMESTER - II					
20UCS201	Problem Solving using Computer	Core	4	4	40+10=50
20UCS202	Software Lab using C	Core	2	4	40+10=50
SEMESTER - III					
20UCS301	Data Structure and Algorithms	Core	4	4	40+10=50
20UCS302	Data Structure and Algorithms Lab	Core	2	4	40+10=50
SEMESTER - IV					
20UCS401	Operating Systems	Core	4	4	40+10=50
20UCS402	Operating Systems Lab	Core	2	4	40+10=50
SEMESTER - V					
Choose One:	Choose One:	Discipline Specific Elective	3	3	40+10=50
20UCS501	Database Management Systems				
20UCS502	Discrete Structures				
20UCS503	Internet Technologies				
20UCS504	Artificial Intelligence				
Choose One:	Choose One:	Discipline Specific Elective	3	3	40+10=50
20UCS505	Software Engineering				
20UCS506	Computer Networks				
20UCS507	Computer Architecture & Organization				
SEMESTER - VI					
Choose One:	Choose One:	Discipline	3	3	40+10=50
20UCS601	Data Mining				

B.Sc-I → credits → 4 (3+1)
periods (lectures) → 5

20UCS602	Mobile Computing and Applications	Specific Elective			
20UCS603	E-Commerce Technologies				
20UCS604 ✓	Object Oriented Programming using C++				
Choose One:	Choose One:	Discipline Specific Elective	3	3	40+10=50
20UCS605	Cloud Computing				
20UCS606	Programming in JAVA				
20UCS607 ✓	Management Information Systems				
20UCS608	Project Work/Dissertation				

**Skill Enhancement Courses offered by
Department of IC&T
Scheme of Examination of SEC for B.Sc. with Computer Science under CBCS
(w.e.f. 2021-22)**

SEMESTER-IV					
Choose One:	Choose One:	Skill Enhancement	3	3	40+10=50
20USECCS401	Office Automation Tools				
20USECCS402 ✓	HTML Programming				
20USECCS403	MySQL				
20USECCS404	Multimedia and Applications				
SEMESTER-V					
Choose One:	Choose One:	Skill Enhancement	3	3	40+10=50
20USECCS501	PHP Programming				
20USECCS502	Programming in Visual Basic				
20USECCS503	System Administration and Maintenance				
20USECCS504	Programming in SCILAB				
SEMESTER-VI					
Choose One:	Choose One:	Skill Enhancement	3	3	40+10=50
20USECCS601 ✓	Software Testing Concepts				
20USECCS602	Android Programming				
20USECCS603	XML Programming				
20USECCS604	R Programming				

Distribution of Periods Subject Wise & Credit Wise per Week

Semester	Paper	Credit		Hours per Week
		Total Credit	Paper+ Practical	
Semester- 1 st	CC I A Botany	6	4+2	4+ 4
	CC II A Zoology	6	4+2	4+ 4
	CC III A Chemistry	6	4+2	4+ 4
	AECC I English	2	2	2
	SEC I	3	3(2+1)	2+2
	NCCCESE	1	1	1
Total		24	24	31
Semester-2 nd	CC I B Botany	6	4+2	4+ 4
	CC II B Zoology	6	4+2	4+ 4
	CC III B Chemistry	6	4+2	4+ 4
	AECC II EVS	2	2	2
	NCCCESE	1	1	1
Total		21	21	27
Semester- 3 rd	CC I C Botany	6	4+2	4+ 4
	CC II C Zoology	6	4+2	4+ 4
	CC III Chemistry	6	4+2	4+ 4
	AECC III Hindi/Sanskrit	2	2	2
Total		20	20	26
Semester- 4 th	CC I D Botany	6	4+2	4+ 4
	CC II D Zoology	6	4+2	4+ 4
	CC III D Chemistry	6	4+2	4+ 4
	SEC II	3	3	3
	NCCCESE	2	2	2

Asha
PS
KS
PH
JZ

	Total	23	23	29
Semester- 5 th	DSE I Botany	6	4+2	4+4
	DSC I Zoology	6	4+2	4+4
	DSC I Chemistry	6	4+2	4+4
	SEC III	2	2	2
	Total	21	21	27
Semester- 6 th	DSE II Botany	6	4+2	4+4
	DSC II Zoology	6	4+2	4+4
	DSC II Chemistry	6	4+2	4+4
	SEC IV	2	2	2
	Total	21	21	27
	Grand Total	130	130	167

11/10

Aha

ps

Kg

ps

ps

SEC- Skill Enhancement Course Offered by the Department of Zoology

Fourth Semester

Sr. No.	Papers Name	Paper Code	Type of Courses	Credits	Contact Hours	External Marks	Internal Marks	Total Marks
1.	MEDICAL DIAGNOSTICS	20USECZ404	Theory(SEC)	3	3	80	20	100

Fifth Semester

Sr. No.	Papers Name	Paper Code	Type of Courses	Credits	Contact Hours	External Marks	Internal Marks	Total Marks
1.	PUBLIC HEALTH AND HYGIENE	20USECZ507	Theory(SEC)	3	3	80	20	100

Sixth Semester

Sr. No.	Papers Name	Paper Code	Type of Courses	Credits	Contact Hours	External Marks	Internal Marks	Total Marks
1.	APICULTURE & POULTRY FARMING	20USECZ607	Theory (SEC)	3	3	80	20	100

SEC- Skill Enhancement Course

APZC

PS

K₃

8

8