

Kanya Maha Vidyalaya, Jalandhar City

(An Autonomous College)



Minutes of the 12th Meeting of Board of Studies
P.G. Department of Chemistry

Date: 10-7-2026

Time: 11:30 a.m.

Via Zoom video conferencing

Kanya Maha Vidyalaya, Jalandhar

(UGC Autonomous College)

P.G. Department of Chemistry

Proceedings of the Twelfth Meeting of Board of Studies held on 10-7-2026

The twelfth meeting of the Board of Studies was held in online mode via Zoom on 10-7-2026 at 11.30 a.m.

Date: 10-7-2026 (Friday)

Time: 11.30 a.m.

Venue: Online Meeting via Zoom

The following members have attended the meeting and detailed minutes are listed below.

Members of BOS

1.	Dr. Manju Sahni , Associate Professor, Kanya Maha Vidyalaya, Jalandhar	Chairperson	Present
2.	Dr. Inderpreet Kaur , Professor, Department of Chemistry, Guru Nanak Dev University, Amritsar (University Nominee)	Member	Present
3.	Dr. Vickramjeet Singh , Associate Professor, Dr B R Ambedkar National Institute of Technology, Jalandhar (Outside Parent University Nominee)	Member	Present
4.	Dr. Sarita Passey , Professor, Department. Of Chemistry, Zakir Husain Delhi College, Delhi University (Outside Parent University Nominee)	Member	Present
5.	Mr. Bhajanjit Singh Bawa , Sheen Pharmaceuticals, Jalandhar (Industry Expert)	Member	Absent
6.	Ms. Avjot Kaur , Research Scholar, NIT, Jalandhar (Alumni)	Member	Present
7.	Dr. Tank Sinderpal Kabalsingh , Assistant Professor, Kanya Maha Vidyalaya, Jalandhar	Member	Present
8.	Dr. Narinderjit Kaur , Assistant Professor, Kanya Maha Vidyalaya, Jalandhar	Member	Present

The meeting started with welcome address by Dr Manju Sahni, Head, P.G. Department of Chemistry. She apprised the members about the programmes in the department along with teaching and research strengths of the department. She took up the agenda items for deliberations one by one with the permission of committee members.

Chem: 2026: 12:1

To discuss and approve the minutes of Board of Studies held on 24-5-2025 and Action Taken Report.

Proceedings:

Minutes of previous BOS meeting held on 24-5-2025 were approved by all BOS members via email. The chairperson again gave summary of minutes for approval of the house. (**Annexure A**). The Action Taken Report (ATR) is attached herewith.

Action Taken Report (ATR)

Sr.No.	Agenda Item	Decision taken in Meeting	Action Taken
Chem: 2025: 11:1	To discuss and approve the minutes of Board of Studies held on 02.05.2024 and Action Taken Report.	Minutes of previous BOS meeting held on 02.05.2024 were approved by all BOS members.	Proceeding is confirmed.
Chem: 2025: 11:2	To discuss the Course scheme, Course Outcomes and proposed syllabi of papers of Master of Science (Chemistry) Semester III and IV under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment for the session 2025-26.	All the BOS members approved the proposed Syllabi of papers of papers of Master of Science (Chemistry) Semester III and IV under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment for the session 2025-26.	The approved syllabus is executed.
Chem: 2025: 11:3	To discuss the Course scheme, Course Outcomes and proposed syllabi of chemistry of class Bachelor of Science (Honours) semester III and IV, Bachelor of Science (Biotechnology) Three Year Degree Programme/ Bachelor of Science (Honours) (Biotechnology) Four Year Degree Programme semester	All the BOS members approved the proposed syllabi of chemistry of class Bachelor of Science (Honours) semester III and IV, Bachelor of Science (Biotechnology) Three Year Degree Programme/ Bachelor of Science (Honours) (Biotechnology) Four Year Degree Programme semester III and IV and Bachelor of Science (Home Science) Three Year Degree Programme/ Bachelor of Science (Honours) (Home Science)	The approved syllabus is executed.

	III and IV and Bachelor of Science (Home Science) Three Year Degree Programme/ Bachelor of Science (Honours) (Home Science) Four Year Degree Programme semester III and IV under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment for the session 2025-26.	Four Year Degree Programme semester III and IV under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment for the session 2025-26.	
Chem: 2025: 11:4	To discuss the syllabi with 20% internal assessment of chemistry of class Bachelor of Science semester V and VI and Bachelor of Science (Biotechnology) semester VI for the session 2025-26 under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2025-26.	All the BOS members approved the proposed syllabi with 20% internal assessment of chemistry of class Bachelor of Science (Biotechnology) semester I for the session 2024-25 will remain the same as session 2023-24 under Credit Based Continuous Evaluation Grading System (CBCEGS) and has already been approved.	The approved syllabus is executed.
Chem: 2025: 11:5	To discuss the Course Outcomes and proposed syllabi with 20% internal assessment of chemistry of class Bachelor of Science (Home Science) semester V and VI under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2025-26.	All the BOS members approved the Course Outcomes and proposed syllabi with 20% internal assessment of chemistry of class Bachelor of Science (Home Science) semester V and VI under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2025-26.	The approved syllabus is executed.

Chem: 2025: 11:6	To discuss the Course scheme, Course Outcomes and proposed syllabi of papers of Master of Science (Chemistry) Semester I and II under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment for the session 2025-26.	All the BOS members approved the Course scheme, Course Outcomes and proposed syllabi of papers of Master of Science (Chemistry) Semester I and II under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment for the session 2025-26	The approved syllabus is executed.
Chem: 2025: 11:7	To discuss syllabi with 30% internal assessment of subject chemistry of Bachelor of Science (Honours) Semester I and II will remain the same as session 2024-25 under Credit Based Continuous Evaluation Grading System and has already been approved.	All the BOS members approved the syllabi with 30% internal assessment of subject chemistry of Bachelor of Science (Honours) Semester I and II will remain the same as session 2024-25 under Credit Based Continuous Evaluation Grading System	The approved syllabus is executed.
Chem: 2025: 11:9	To discuss syllabi with 30% internal assessment of subject chemistry of Five Year Integrated Degree Programme Master of Science (FYIP) Physics Semester I and II will remain the same as session 2024-25 under Credit Based Continuous Evaluation Grading System and has already been approved.	All the BOS members approved the syllabi with 30% internal assessment of subject chemistry of Five Year Integrated Degree Programme Master of Science (FYIP) Physics Semester I and II will remain the same as session 2024-25 under Credit Based Continuous Evaluation Grading System.	The approved syllabus is executed.
Chem: 2025: 11:9	To discuss and approve list of proposed examiners for Master of Science (Chemistry) semester I to IV, Bachelor of Science semester I to VI, Bachelor of Science	All the BOS members approved the list of proposed examiners for Master of Science (Chemistry) semester I to IV, Bachelor of Science semester I to VI, Bachelor of Science (Biotechnology) semester III, IV and VI, Bachelor of	List of Examiners was sent to COE Office.

	(Biotechnology) semester III, IV and VI, Bachelor of Science (Home Science) semester III, IV, V and VI, Master of Science (FYIP) Physics Semester I and II for the session 2025-26.	Science (Home Science) semester III, IV, V and VI, Master of Science (FYIP) Physics Semester I and II for the session 2025-26.	
Chem: 2025: 11:10	To discuss the scheme of Bachelor of Science (Medical) (Honours) Semester I-VIII under Credit Based Continuous Evaluation Grading System (CBCEGS) for the session 2025-26.	All the BOS members approved the scheme of Bachelor of Science (Medical) (Honours) Semester I-VIII under Credit Based Continuous Evaluation Grading System (CBCEGS) for the session 2025-26.	The approved scheme is executed.
Chem: 2025: 11:11	To discuss research inputs and plans of the department for the session 2025-26.	Dr. Manju Sahni apprised the committee members about the research and future plans taken by the Department for the research enhancement of faculty. She briefly explained that faculty members are engaged in quality research as evident from their publications in SCOPUS index Journals with high impact factors.	Faculty members are engaged in quality research as evident from their publications in SCOPUS index Journals with high impact factors. Dr. Narinderjit has registered four copyrights. Dr. Tank Sinderpal Kabalsingh has published two research paper and one paper communicated in SCI indexed Journal. Dr. Tank Sinderpal Kabalsingh has completed the seed money project while Dr. Narinderjit is working on the seed money project allotted by IQAC.
Chem: 2025: 11:12	To discuss innovative teaching methodologies and evaluation adopted in the department and	Dr. Manju Sahni apprised the BOS members of teaching practices adopted in the Department	All the teachers are engaged in ICT based teaching as Ppts, educational videos seminars. Various

	inputs required to upgrade the same.		departmental activities like quiz, workshops, educational trips and extension lectures from luminaries across globe are organised for overall development of students to create passion for science. Other activities include student-student mentoring, group discussions, student mentoring by teachers and remedial classes for weak students.
Chem: 2025: 11:13	To discuss the result analysis for the session 2024-25.	Dr. Manju Sahni apprised the BOS members of results of the students.	Remedial classes and mentoring sessions were conducted to support low-performing students and improve overall academic outcomes.

The house approved the Chem: 2026: 12:1

Chem: 2026: 12:2

To discuss the Course scheme, Course Outcomes and proposed syllabi of papers of **Master of Science (Chemistry)** Semester I to IV under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment for the session 2026-27.

Proceedings:

Chairperson Dr. Manju Sahni discussed in detail the Course scheme, Course Outcomes and proposed syllabi of papers of **Master of Science (Chemistry)** Semester I to IV under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment for the session 2026-27. The following points were highlighted, discussed and approved.

- 1) Master of Science (Chemistry) Semester I and II for session 2026-27 will have 53 credits and Semester III and IV will have 47 credits.
- 2) Some course title are revised as given below

Course Code	Previous	New
MCHL-1082	Organic Reaction Mechanism -I	Organic Reaction Mechanism
MCHL-2082	Organic Reaction Mechanism-II	Reactions and Reagents in Organic Chemistry
MCHL-2056	Biology for Chemists	Chemistry of Living Systems

MCHL-4082	Chemistry of Natural Products	Natural Products
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3) The course scheme with credits is as follows:

KANYA MAHA VIDYALAYA JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATION OF TWO YEAR DEGREE
PROGRAMME
Master of Science (Chemistry)
Credit Based Continuous Evaluation Grading System
(CBCEGS)
(Session: 2026-27)

Master of Science (Chemistry) Semester I										
Course Code	Course Title	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Th	P	CA	
MCHL-1081	Ligand Field Theory	C	4-0-0	4-0-0	4	100	70	-	30	3
MCHL-1082	Organic Reaction Mechanism	C	4-0-0	4-0-0	4	100	70	-	30	3
MCHL-1083	Physical Chemistry – Thermodynamics	C	4-0-0	4-0-0	4	100	70	-	30	3
MCHL-1084	Spectroscopy A: Techniques for Structure Elucidation of Organic Compounds	C	4-0-0	4-0-0	4	100	70	-	30	3
MCHM-1135	Computer for Chemists	C	2-0-2	2-0-1	3	100	40	30	30	3+3
MCHP-1086	Inorganic Chemistry Practical (Quantitative Analysis)	C	0-0-6	0-0-3	3	100	-	70	30	3*2
MCHP-1087	Organic Chemistry (Practical)	C	0-0-6	0-0-3	3	100	-	70	30	3*2
Total					25					

C- Compulsory Course

KANYA MAHA VIDYALAYA JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATION OF TWO YEAR DEGREE
PROGRAMME

Master of Science (Chemistry)
Credit Based Continuous Evaluation Grading System (CBCEGS)
(Session: 2026-27)

Master of Science (Chemistry) Semester II										
Course Code	Course Title	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Th	P	CA	
MCHL-2081	Organometallics Chemistry	C	4-0-0	4-0-0	4	100	70	-	30	3
MCHL-2082	Reactions and Reagents in Organic Chemistry	C	4-0-0	4-0-0	4	100	70	-	30	3
MCHL-2083	Physical Chemistry –Quantum Chemistry	C	4-0-0	4-0-0	4	100	70	-	30	3
MCHL-2084	Reaction Mechanisms and Metal Clusters	C	4-0-0	4-0-0	4	100	70	-	30	3
MCHL-2085	Spectroscopy B: Techniques for Structure Elucidation of Inorganic Compounds	C	4-0-0	4-0-0	4	100	70	-	30	3
MCHL-2336 MCHL-2056	Mathematics for Chemists OR Chemistry of Living Systems	C	2-0-0	2-0-0	2	50	35	-	15	3
MCHP-2087	Organic Chemistry (Practical)	C	0-0-6	0-0-3	3	100	-	70	30	3*2
MCHP-2088	Physical Chemistry (Practical)	C	0-0-6	0-0-3	3	100	-	70	30	3*2
Total					28					

C- Compulsory Course

Note: Mathematics for Chemists: For Medical Students

Chemistry of Living Systems: For Non-Medical Students

KANYA MAHA VIDYALAYA JALANDHAR (AUTONOMOUS)

**SCHEME AND CURRICULUM OF EXAMINATION OF TWO YEAR DEGREE
PROGRAMME**

Master of Science (Chemistry)

Credit Based Continuous Evaluation Grading System (CBCEGS)

(Session: 2026-27)

Master of Science (Chemistry) Semester III										
Course Code	Course Title	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Th	P	CA	
MCHL-3081	Inorganic Chemistry-II	C	4-0-0	4-0-0	4	100	70	-	30	3
MCHL-3082	Organic Synthesis	C	4-0-0	4-0-0	4	100	70	-	30	3
MCHL-3083	Surface and Polymer Chemistry	C	4-0-0	4-0-0	4	100	70	-	30	3
MCHL-3084	Photochemistry and Pericyclic Reactions	C	4-0-0	4-0-0	4	100	70	-	30	3
MCHP-3085	Inorganic Chemistry Practical (Preparations)	C	0-0-8	0-0-4	4	100	-	70	30	3*2
Total					20					

C- Compulsory Course

KANYA MAHA VIDYALAYA JALANDHAR (AUTONOMOUS)

**SCHEME AND CURRICULUM OF EXAMINATION OF TWO YEAR DEGREE
PROGRAMME**

Master of Science (Chemistry)

Credit Based Continuous Evaluation Grading System (CBCEGS)

(Session: 2026-27)

Master of Science (Chemistry) Semester IV										
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Course Code	Course Title	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Th	P	CA	
MCHL-4081	Advanced Inorganic Chemistry	C	5-0-0	5-0-0	5	100	70	-	30	3
MCHL-4082	Natural Products	C	5-0-0	5-0-0	5	100	70	-	30	3
MCHL-4083	Electrochemistry and Chemical Dynamics	C	5-0-0	5-0-0	5	100	70	-	30	3
MCHP-4084	Advanced Practical-Organic Synthesis	C	0-0-8	0-0-4	4	100	-	70	30	3*2
MCHP-4085	Advanced Practical-Inorganic Synthesis	C	0-0-8	0-0-4	4	100	-	70	30	3*2
MCHP-4086	Advanced Practical-Physical Chemistry	C	0-0-8	0-0-4	4	100	-	70	30	3*2
Total					27					

C- Compulsory Course

The detailed syllabus for **Master of Science (Chemistry)** Semester I and IV under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2026-27 as discussed and passed in BOS meeting is attached herewith as an **Annexure B**.

The house approved the Item: Chem: 2026:12: 2

Chem: 2026: 12:3

To discuss the Course scheme, Course outcomes and proposed syllabi of chemistry of class **Bachelor of Science (Honours)** semester V and VI under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment for the session 2026-27.

Proceedings:

- 1) As per the guidelines of NEP-2020, in Bachelor of Science (Honours) semester V and VI under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26, Discipline specific courses (DSC) in **Chemistry** subject will have 6 credits in each semester. It was decided to add 30% internal assessment in all papers of Bachelor of Science (Honours) Semester V and VI under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2026-27.
- 2) As per the guidelines of NEP-2020, in Bachelor of Science (Honours) semester V under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26, Co-Curricular Field Work and Report Writing (CCFR) in **Chemistry** subject will have 2 credits. In the students shall undertake Community Engagement

and Service/ field based learning through an internship of four weeks during the fifth semester after completion of classes or during the summer vacation at the end of the fourth semester. The internship shall be carried out in one of the areas related to the courses of study. Students participating in NCC or NSS activities may submit a certificate of participation for a minimum duration of four weeks in lieu of the internship. Every student shall submit an internship report in the prescribed format along with the original internship completion certificate and permission letter issued by the college to carry out the internship/ community outreach. The viva voce examination shall be conducted on the basis of the final internship report submitted and the presentation by the student.

- 3) As per the guidelines of NEP-2020, in Bachelor of Science (Honours) semester VI under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26, Skill Enhancement Course (SEC) in chemistry will have 2 credits. It was decided to add 30% internal assessment in all papers of Bachelor of Science (Honours) Semester V and VI under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2026-27.
- 4) The course scheme with credits is as follows:

KANYA MAHA VIDYALAYA JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATION OF FOUR YEAR UNDER
GRADUATE DEGREE PROGRAMME
Bachelor of Science (Honours)
Credit Based Continuous Evaluation Grading System (CBCEGS)
(Session: 2026-27)

Bachelor of Science (Honours) (Semester V)										
Course Name	Hours Per Week L-T-P	Credits L-T-P	Course Code	Course Type	Total marks	Paper	Ext.		CA	Examination Time (in Hours)
							L	P		
Chemistry	4-0-0	4-0-0	BSNL/BSML-5084	C	100	Chemistry (Organic Chemistry-II : Chemistry of O/N Containing Compounds)	70	-	30	3
	0-0-4	0-0-2	BSNP/BSMP-5084	C	50	Chemistry (Organic Chemistry-II : Lab Preparations-I)	-	35	15	3

	0-0-4	0-0-2	BSNI/BSMI- 5084/ CCFC-5522	CCFR	50	Summer Internship (02 Weeks)/ Community Outreach- I/NCC/NSS	-	50	-	3
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***C=Compulsory**

CCFR=Co-Curricular Field Work and Report Writing

KANYA MAHA VIDYALAYA JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATION OF FOUR YEAR UNDER
GRADUATE DEGREE PROGRAMME
Bachelor of Science (Honours)
Credit Based Continuous Evaluation Grading System (CBCEGS)
(Session: 2026-27)

Bachelor of Science (Honours) (Semester VI)										
Course Name	Hours Per Week L-T-P	Credits L-T-P	Course Code	Course Type	Total marks	Paper	Ext.		CA	Examination Time (in Hours)
							L	P		
Chemistry	4-0-0	4-0-0	BSNL/BSML-6084	C	100	Chemistry (Physical Chemistry-II : Thermodynamics and Equilibrium)	70	-	30	3
	0-0-4	0-0-2	BSNP/BSMP-6084	C	50	Chemistry (Physical Chemistry-II : Lab)	-	35	15	3
	2-0-0	2-0-0	BSNL/BSML-6080	SEC	100	Chemistry of Cosmetics	70	-	30	3

***C=Compulsory**

SEC= Skill Enhancement Course

The Course scheme, Course outcomes and proposed syllabi of chemistry of class **Bachelor of Science (Honours)** semester V and VI under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment for the session 2026-27as discussed and passed in BOS meeting is attached herewith as an **Annexure C**.

The house approved the Item: Chem: 2026: 12: 3

Chem: 2026: 12:4

To discuss the Course scheme, Course Outcomes and proposed syllabi of chemistry of class **Bachelor of Science (Honours)** semester I and IV under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment for the session 2026-27 and has already been approved.

Proceedings: The syllabi with 30% internal assessment of subject chemistry of **Bachelor of Science (Honours)** Semester I and IV will remain the same as session 2025-26 under Credit Based Continuous Evaluation Grading System (CBCEGS) and has already been approved. (Attached herewith as an **Annexure D**).

KANYA MAHA VIDYALAYA JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATION OF FOUR YEAR UNDER
GRADUATE DEGREE PROGRAMME
Bachelor of Science (Honours)
Credit Based Continuous Evaluation Grading System (CBCEGS)
(Session: 2026-27)

Bachelor of Science (Honours) (Semester I)										
Course Name	Hours Per Week L-T-P	Credits L-T-P	Course Code	Course Type	Total marks	Paper	Ext.		CA	Examination Time (in Hours)
							L	P		
Chemistry	4-0-0	4-0-0	BSNL/BSML-1084	C	100	Chemistry (Inorganic Chemistry-I)	70	-	30	3
	0-0-4	0-0-2	BSNP/BSMP-1084	C	50	Chemistry (Inorganic Chemistry- I Lab)	-	35	15	3

KANYA MAHA VIDYALAYA JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATION OF FOUR YEARS UNDER
GRADUATE DEGREE PROGRAMME
Bachelor of Science (Honours)
Credit Based Continuous Evaluation Grading System (CBCEGS)
(Session: 2026-27)

Bachelor of Science (Honours) (Semester II)										
Course	Hours	Credits	Course	Course	Total	Paper	Ext.	CA	Examination	

Name	Per Week L-T-P	L-T-P	Code	Type	marks		L	P		Time (in Hours)
	4-0-0	4-0-0	BSNL/BSML-2084	C	100	Chemistry (Organic Chemistry-I)	70	-	30	3
	0-0-4	0-0-2	BSNP/BSMP-2084	C	50	Chemistry (Organic Chemistry-I Lab)	-	35	15	3

KANYA MAHA VIDYALAYA JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATION OF FOUR YEAR UNDER
GRADUATE DEGREE PROGRAMME
Bachelor of Science (Honours)
Credit Based Continuous Evaluation Grading System (CBCEGS)
(Session: 2026-27)

Bachelor of Science (Honours) (Semester III)										
Course Name	Hours Per Week L-T-P	Credits L-T-P	Course Code	Course Type	Total marks	Paper	Ext.		C A	Examination Time (in Hours)
							L	P		
Chemistry	4-0-0	4-0-0	BSNL/BSML-3084	C	100	Chemistry (Physical Chemistry-I)	70	-	30	3
	0-0-4	0-0-2	BSNP/BSMP-3084	C	50	Chemistry (Physical Chemistry-I Lab)	-	35	15	3

KANYA MAHA VIDYALAYA JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATION OF FOUR YEARS UNDER
GRADUATE DEGREE PROGRAMME
Bachelor of Science (Honours)
Credit Based Continuous Evaluation Grading System (CBCEGS)
(Session: 2026-27)

Bachelor of Science (Honours) (Semester IV)										
Course Name	Hours Per Week L-T-P	Credits L-T-P	Course Code	Course Type	Total marks	Paper	Ext.		CA	Examination Time (in Hours)
							L	P		

Chemistry	4-0-0	4-0-0	BSNL/BSML-4084	C	100	Chemistry (Inorganic Chemistry-II)	70	-	30	3
	0-0-4	0-0-2	BSNP/BSMP-4084	C	50	Chemistry (Inorganic Chemistry-II Lab)	-	35	15	3

The Course scheme, Course Outcomes and proposed syllabi of chemistry of class **Bachelor of Science (Honours)** semester I and IV under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment for the session 2026-27 as discussed and passed in BOS meeting is attached herewith as an **Annexure D**.

The house approved the Item: Chem: 2026: 12: 4

Chem: 2026: 12:5

To discuss the Course Outcomes and proposed syllabi with 30% internal assessment of chemistry of class **Bachelor of Science (Biotechnology) Three Year Degree Programme/ Bachelor of Science (Honours) (Biotechnology) Four Year Degree Programme** semester IV and V and **Bachelor of Science (Home Science) Three Year Degree Programme/ Bachelor of Science (Honours) (Home Science) Four Year Degree Programme** semester III and IV under Credit Based Continuous Evaluation Grading System (CBCEGS) for the session 2026-27.

Proceedings:

- 1) As per the guidelines of NEP-2020, in Bachelor of Science (Biotechnology) Three Year Degree Programme/ Bachelor of Science (Honours) (Biotechnology) Four Year Degree Programme under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2026-27, in semester IV, Minor Course in **Chemistry** subject will have 4 credits while in semester V, Multidisciplinary Course (MDC) in **Chemistry** subject will have 4 credits. It was decided to add 30% internal assessment in all papers of Bachelor of Science (Biotechnology) Three Year Degree Programme/ Bachelor of Science (Honours) (Biotechnology) Four Year Degree Programme semester III and IV under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2026-27.
- 2) As per the guidelines of NEP-2020, in Bachelor of Science (Home Science) Three Year Degree Programme/ Bachelor of Science (Honours) (Home Science) Four Year Degree Programme semester III and IV under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26, Multidisciplinary Course (MDC) in **Chemistry** subject will have 4 credits in both semester III and IV. It was decided to add 30% internal assessment in all papers of Bachelor of Science (Home Science)

Three Year Degree Programme/ Bachelor of Science (Honours) (Home Science) Four Year Degree Programme semester III and IV under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2026-27.

**KANYA MAHA VIDYALAYA JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATION OF FOUR YEAR UNDER
GRADUATE DEGREE PROGRAMME**

**Bachelor of Science (Biotechnology) Three Year Degree Programme
Bachelor of Science (Honours) (Biotechnology) Four Year Degree
Programme**

**Credit Based Continuous Evaluation Grading System (CBCEGS)
(Session: 2026-27)**

Bachelor of Science (Biotechnology) Three Year Degree Programme Bachelor of Science (Honours) (Biotechnology) Four Year Degree Programme Semester-IV										
Course Code	Course Title	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Th	P	CA	
BBTM-4084	Chemistry	Minor	3-0-0	3-0-0	3	100	50	-	30	3
BBTM-4084 (P)	Lab in Chemistry	Minor	0-0-2	0-0-1	1		-	20		3

**KANYA MAHA VIDYALAYA JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATION OF FOUR YEAR UNDER
GRADUATE DEGREE PROGRAMME**

**Bachelor of Science (Biotechnology) Three Year Degree Programme
Bachelor of Science (Honours) (Biotechnology) Four Year Degree
Programme**

**Credit Based Continuous Evaluation Grading System (CBCEGS)
(Session: 2026-27)**

Bachelor of Science (Biotechnology) Three Year Degree Programme Bachelor of Science (Honours) (Biotechnology) Four Year Degree Programme Semester-V										
Course Code	Course Title	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Th	P	CA	
BBTM-5085	Chemistry-III	MDC	3-0-0	3-0-0	3	100	50	-	30	3

BBTM-5085 (P)	Lab in Chemistry-III	MDC	0-0-2	0-0-1	1		-	20		3
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*MDC= Multi-Disciplinary Course

KANYA MAHA VIDYALAYA JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATION OF FOUR YEAR UNDER
GRADUATE DEGREE PROGRAMME

Bachelor of Science (Home Science) Three Year Degree Programme

Bachelor of Science (Honours) (Home Science) Four Year Degree Programme

Credit Based Continuous Evaluation Grading System (CBCEGS)

(Session: 2026-27)

Bachelor of Science (Home Science) Three Year Degree Programme Bachelor of Science (Honours) (Home Science) Four Year Degree Programme Semester-III										
Course Code	Course Title	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Th	P	CA	
BHSL-3083	Basic Nutritional Biochemistry	MDC	4-0-0	4-0-0	4	100	70	-	30	3

MDC – Multi Disciplinary Course

KANYA MAHA VIDYALAYA JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATION OF FOUR YEAR UNDER
GRADUATE DEGREE PROGRAMME

Bachelor of Science (Home Science) Three Year Degree Programme

Bachelor of Science (Honours) (Home Science) Four Year Degree Programme

Credit Based Continuous Evaluation Grading System (CBCEGS)

(Session: 2026-27)

Bachelor of Science (Home Science) Three Year Degree Programme Bachelor of Science (Honours) (Home Science) Four Year Degree Programme Semester-IV										
Course Code	Course Title	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Th	P	CA	

BHSM-4085	Applied Nutritional Biochemistry	MDC	3-0-2	3-0-1	4	100	50	20	30	3+3
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MDC – Multi Disciplinary Course

The Course Outcomes and proposed syllabi with 30% internal assessment of chemistry of class **Bachelor of Science (Biotechnology) Three Year Degree Programme/ Bachelor of Science (Honours) (Biotechnology) Four Year Degree Programme semester IV and V and Bachelor of Science (Home Science) Three Year Degree Programme/ Bachelor of Science (Honours) (Home Science) Four Year Degree Programme semester III and IV** under Credit Based Continuous Evaluation Grading System (CBCEGS) for the session 2026-27 as discussed and passed in BOS meeting is attached herewith as an (**Annexure E**).

The house approved the Item: Chem: 2026: 12:5.

Chem: 2026: 11:6

To discuss and approve list of proposed examiners for **Master of Science (Chemistry) semester I to IV, Bachelor of Science (Honours) semester I to VI, Bachelor of Science (Biotechnology) Three Year Degree Programme/ Bachelor of Science (Honours) (Biotechnology) Four Year Degree Programme semester IV and V and Bachelor of Science (Home Science) Three Year Degree Programme/ Bachelor of Science (Honours) (Home Science) Four Year Degree Programme semester III and IV** for the session 2026-27. **Proceedings:** All the BOS members approved the list of proposed examiners for **Master of Science (Chemistry) semester I to IV, Bachelor of Science (Honours) semester I to VI, Bachelor of Science (Biotechnology) Three Year Degree Programme/ Bachelor of Science (Honours) (Biotechnology) Four Year Degree Programme semester IV and V and Bachelor of Science (Home Science) Three Year Degree Programme/ Bachelor of Science (Honours) (Home Science) Four Year Degree Programme semester III and IV** for the session 2026-27.

(Attached herewith as an **Annexure F**).

The house approved the Item: Chem: 2026: 12:6.

Chem: 2026: 11:7

To discuss research inputs and plans of the department for the session 2026-27.

Proceedings:

Dr. Manju Sahni apprised the committee members about the research and future plans taken by the department for the research enhancement of faculty. She explained that department has three Ph.D teachers. Faculty members are engaged in quality research as evident from their publications in SCOPUS index Journals with high impact factors. Dr. Narinderjit has registered four copyrights. Dr. Tank Sinderpal Kabalsingh has published two research paper and one paper communicated in SCI indexed Journal. Dr. Tank Sinderpal Kabalsingh has completed the seed money project while Dr. Narinderjit is working on the seed money project allotted by IQAC.

Chem: 2026: 11:8

To discuss innovative teaching methodologies and evaluation adopted in the department and inputs required to upgrade the same.

Proceedings:

Dr. Manju Sahni apprised the BOS members of teaching practices adopted in the Department. BOS members appreciated the innovative teaching methodologies adopted by department like-ICT based teaching as Ppts, educational videos seminars leading to critical and creative thinking. She highlighted the departmental activities like quiz, workshops, educational trips and extension lectures from luminaries across globe is regular feature of department for overall development of students to create passion for science Other highlights of department include student-student mentoring, group discussions, student mentoring by teachers and remedial classes for weak students.

The house approved the (Item: Chem: 2026: 11:8) teaching methodologies and various activities held in department to enhance teaching learning process.

The meeting ended with Vote of thanks by Dr. Manju Sahni and assured that we will definitely work on the proposals suggested by the members. At the end, she said that all the achievements are due to excellent teamwork and she has full faith in her team for prospective growth of department under Autonomous status.

Dr. Inderpreet Kaur
(VC Nominee)

Dr. Vickramjeet Singh
(Outside GNDU Nominee)

Dr. Sarita Passey
(Outside GNDU Nominee)

Mr. Bhajanjit Singh Bawa
(Industry Expert)

Ms. Avjot Kaur
(Alumni)

Dr. Tank Sinderpal
Kabalsingh
(Internal BOS member)

Dr. Narinderjit Kaur
(Internal BOS member)

Dr. Manju Sahni
(Chairperson and Head of
the Department)