

Kanya Maha Vidyalaya, Jalandhar City
(An Autonomous College)



Minutes of the 11th Meeting of Board of Studies
P.G. Department of Chemistry

Date: 24-5-2025

Time: 11:30 a.m.

Via Zoom video conferencing

Kanya Maha Vidyalaya, Jalandhar
(UGC Autonomous College)
P.G. Department of Chemistry

Proceedings of the Eleventh Meeting of Board of Studies held on 24.5.2025

The tenth meeting of the Board of Studies was held in online mode via Zoom on 24-5-2025 at 11.30 a.m.

Date: 24.5.2025 (Saturday)

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. Vandana Bhalla, Associate Professor, Dept. of Chemistry, Guru Nanak Dev University, Amritsar (University Nominee)	Member	Present
3.	Dr. Gaurav Bhargav, Assistant Professor, Dept. of Chemistry, IKGPTU, Kapurthala (Outside Parent University Nominee)	Member	Present
4.	Dr. J. Nagendra Babu, Assistant Professor, Central University of Punjab, Bathinda (Outside Parent University Nominee)	Member	Present
5.	Mr. Gurvinder Pal, General Manager, Bhogpur Cooperative Sugar Mills Ltd., Bhogpur (Industry Expert)	Member	Absent
6.	Dr. Harjeet Sra, Principal, Punjab College of Education, Sarkapra, Fatehgarh Sahib (Alumni)	Member	Absent
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: 2025: 11:1

To discuss and approve the minutes of Board of Studies held on 02.05.2024 and Action Taken Report.

Proceedings:

Minutes of previous BOS meeting held on 02.05.2024 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: 2024: 10:1	To discuss and approve the minutes of Board of Studies held on 13.06.2023 and Action Taken Report.	Minutes of previous BOS meeting held on 13.06.2023 were approved by all BOS members.	Proceeding is confirmed.
Chem: 2024: 10:2	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 20% internal assessment for the session 2024-25.	All the BOS members approved the proposed Syllabi of papers of Master of Science (Chemistry) Semester III and IV with 20% internal assessment for the session 2023-24 under Credit Based Continuous Evaluation Grading System (CBCEGS).	The approved syllabus is executed.
Chem: 2024: 10:3	To discuss the Course scheme, Course Outcomes and proposed syllabi of chemistry of class Bachelor of Science (Biotechnology) semester III, and Bachelor of Science (Home Science) semester III and IV under Credit Based	All the BOS members approved the proposed syllabi of chemistry of class Bachelor of Science semester III and IV, Bachelor of Science (Biotechnology) semester III, and Bachelor of Science (Home Science) semester III and IV under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2024-25.	The approved syllabus is executed.

	Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2024-25.		
Chem: 2024: 10:4	Syllabi with 20% internal assessment and list of examiners of papers of Master of Science (Chemistry) Semester I and II for the session 2023-24 will remain the same as session 2022-23 under Credit Based Continuous Evaluation Grading System and has already been approved.	All the BOS members approved the proposed syllabi with 20% internal assessment and list of examiners of papers of Master of Science (Chemistry) Semester I and II for the session 2023-24 will remain the same as session 2022-23 under Credit Based Continuous Evaluation Grading System and has already been approved.	The approved syllabus is executed.
Chem: 2024: 10:5	The 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.	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: 2024: 10:6	The syllabi with 20% internal assessment of chemistry of class Bachelor of Science semester V and VI, Bachelor of Science (Biotechnology) semester VI, for the session 2024-25 will remain the same as session 2023-24	All the BOS members approved the proposed syllabi with 20% internal assessment of chemistry of class Bachelor of Science semester V and VI, Bachelor of Science (Biotechnology) semester VI, for the session 2024-25 will remain the same as session 2023-24 under Continuous Evaluation Grading System and has already been approved.	The approved syllabus is executed.

	under Continuous Evaluation Grading System and has already been approved.		
Chem: 2024: 10:7	To discuss the scheme of Bachelor of Science/Honours Semester I and II under Credit Based Continuous Evaluation Grading System (CBCEGS) for the session 2024-25.	All the BOS members approved the proposed scheme of Bachelor of Science/Honours Semester I and II under Credit Based Continuous Evaluation Grading System (CBCEGS) for the session 2024-25.	The approved syllabus is executed.
Chem: 2024: 10:8	To discuss the Course scheme, Course Outcomes, proposed syllabi and examiners of papers of Bachelor of Science/Honours Semester I and II (Chemistry subject) under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2024-25.	All the BOS members approved the Course scheme, Course Outcomes, proposed syllabi and examiners of papers of Bachelor of Science/Honours Semester I and II (Chemistry subject) under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2024-25.	The approved syllabus is executed.
Chem: 2024: 10:9	To discuss the Course scheme, Course Outcomes, proposed syllabi and examiners of papers of Five Year Integrated Degree Programme Master of Science (Physics) (FYIP) Semester I and II (Chemistry subject) under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2024-25.	All the BOS members approved the Course scheme, Course Outcomes, proposed syllabi and examiners of papers of Five Year Integrated Degree Programme Master of Science (Physics) (FYIP) Semester I and II (Chemistry subject) under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2024-25.	The approved syllabus is executed.

Chem: 2024: 10:10	To discuss and approve list of proposed examiners for Master of Science (Chemistry) semester I to IV, Bachelor of Science semester III to VI, Bachelor of Science (Biotechnology) semester I, III and VI, Bachelor of Science (Home Science) semester III and IV for the session 2024-25.	All the BOS members approved list of proposed examiners for Master of Science (Chemistry) semester I to IV, Bachelor of Science semester III to VI, Bachelor of Science (Biotechnology) semester I, III and VI, Bachelor of Science (Home Science) semester III and IV for the session 2024-25.	List of Examiners was sent to COE Office.
Chem: 2024: 10:11	To discuss research inputs and plans of the department for the session 2024-25.	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 three copyrights. Dr. Tank Sinderpal Kabalsingh has published one research paper and two paper communicated in ESCI indexed Journals. Dr. Narimderjit and Mrs. Tank Sinderpal Kabalsingh are working on the seed money project by allotted by IQAC.
Chem: 2024: 10:12	To discuss innovative teaching methodologies and evaluation adopted in the department and inputs required to upgrade the same.	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 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: 2023: 9:13	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 Item Chem: 2025: 11:1

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.

Proceedings:

Chairperson Dr. Manju Sahni discussed in detail 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. The following points were highlighted, discussed and approved.

- 1) Master of Science (Chemistry) Semester III and IV for session 2025-26 will have 43 credits.
- 2) 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: 2025-26)
Semester III

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	0-0-6	0-0-3	3	100	-	70	30	3*2
MCHP-3086	Physical Chemistry Practical	C	0-0-6	0-0-3	3	100	-	70	30	3*2
Total					22	600				

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: 2025-26)
Semester IV

Master of Science (Chemistry)										
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	
MCHL-4081	Advanced Inorganic Chemistry	C	4-0-0	4-0-0	4	100	70	-	30	3
MCHL-4082	Chemistry of Natural Products	C	4-0-0	4-0-0	4	100	70	-	30	3
MCHL-4083	Electrochemistry and Chemical Dynamics	C	4-0-0	4-0-0	4	100	70	-	30	3

MCHP-4084	Advanced Practical-Organic Synthesis	C	0-0-6	0-0-3	3	100	-	70	30	3*2
MCHP-4085	Advanced Practical-Inorganic Synthesis	C	0-0-6	0-0-3	3	100	-	70	30	3*2
MCHP-4086	Advanced Practical-Physical Chemistry	C	0-0-6	0-0-3	3	100	-	70	30	3*2
Total					21	600				

C- Compulsory Course

The detailed syllabus for **Master of Science (Chemistry)** Semester III and IV under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26 as discussed and passed in BOS meeting is attached herewith as an **Annexure B**.

The house approved the Item: Chem: 2025: 11: 2

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 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.

Proceedings :

- 1) As per the guidelines of NEP-2020, 4 year Bachelor of Science/Honours have been introduced w.e.f the session 2024-25. In Bachelor of Science/Honours semester III and IV 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 III and IV under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26.
- 2) As per the guidelines of NEP-2020, Bachelor of Science (Biotechnology) Three Year Degree Programme/ Bachelor of Science/Honours (Biotechnology) Four Year Degree Programme have been introduced w.e.f the session 2024-25. In 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 2024-25, Multidisciplinary Course (MDC) in **Chemistry** subject will have 4 credits in each semester. It was decided to add 30% internal assessment in all papers of Bachelor of Science/Honours Semester III and IV under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26.
- 3) As per the guidelines of NEP-2020, Bachelor of Science (Home Science) Three Year Degree Programme/ Bachelor of Science/Honours (Home Science) Four Year Degree Programme have been introduced w.e.f the session 2024-25. 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 2024-25,

Multidisciplinary course (MDC) in **Chemistry** subject will have 3 credits in semester III and 4 credits in semester IV. It was decided to add 30% internal assessment in all papers of Bachelor of Science/Honours Semester III and IV under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26.

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: 2025-26)

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.		CA	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: 2025-26)

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

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: 2025-26)

Bachelor of Science (Biotechnology) Three Year Degree Programme Bachelor of Science/Honours (Biotechnology) 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	
BBTM-3085	Chemistry-I	C	3-0-0	3-0-0	3	100	50	-	30	3
BBTM-3085(P)	Chemistry-I (Practical)	C	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: 2025-26)

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-4085	Chemistry-II	C	3-0-0	3-0-0	3	100	50	-	30	3
BBTM-4085(P)	Chemistry-II (Practical)	C	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 Home Science (Three Year Degree Programme)
Bachelor of Science (Honours) Home Science (Four Year Degree Programme)
Credit Based Continuous Evaluation Grading System (CBCEGS)
(Session: 2025-26)

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	C	3-0-0	3-0-0	3	100	70	-	30	3

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: 2025-26)

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	C	3-0-2	3-0-1	4	100	50	20	30	3+3

The Course scheme, Course Outcomes and proposed syllabi of chemistry 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) 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 as discussed and passed in BOS meeting is attached herewith as an **Annexure C**.

The house approved the Item: Chem: 2025: 11: 3

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.

Proceedings:

- 1) **In Bachelor of Science** semester V to VI under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26, **Chemistry** subject will have 7 credits in each semester. It was decided to add 20% internal assessment in all papers of **Bachelor of Science** Semester V and VI under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26.
- 2) **In Bachelor of Science (Biotechnology)** semester VI under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26, **Chemistry** subject will have 3 credits in semester VI. It was decided to add 20% internal assessment in all papers of **Bachelor of Science (Biotechnology)** Semester VI under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

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

Credit Based Continuous Evaluation Grading System (CBCEGS)**Bachelor of Science (Session: 2025-26)**

Bachelor of Science (Semester V)													
Course Name	Hours Per Week L-T-P	Credits L-T-P	Total Credit	Course Code		Course Type	Total marks		Paper	Ext.		CA	Examination Time (in Hours)
										L	P		
Chemistry	2-0-0	2-0-0	7	BSMM-5084	I	C	175	50	Chemistry (Inorganic Chemistry)	40	-	10	3
	3-0-0	3-0-0		BSNM-5084	II			75	Chemistry (Physical Chemistry)	60	-	15	3
	0-0-4	0-0-2			P			50	Chemistry (Practical)	-	40	10	3

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATION OF THREE YEAR DEGREE
PROGRAMME
Credit Based Continuous Evaluation Grading System (CBCEGS)
(Session: 2025-26)
Bachelor of Science

Bachelor of Science (Semester VI)													
Course Name	Hours Per Week L-T-P	Credits L-T-P	Total Credit	Course Code		Course Type	Total marks		Paper	Ext.		CA	Examination Time (in Hours)
										L	P		
Chemistry	3-0-0	3-0-0	7	BSMM-6084	I	C	175	75	Chemistry (Molecular Spectroscopy)	60	-	15	3
	2-0-0	2-0-0			II			50	Chemistry (Physical Chemistry)	40	-	10	3
	0-0-4	0-0-2		BSNM-6084	P			50	Chemistry (Practical)	-	40	10	3

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATION OF THREE YEAR DEGREE
PROGRAMME
Credit Based Continuous Evaluation Grading System (CBCEGS)
Bachelor of Science (Biotechnology)
(Session: 2025-26)

Bachelor of Science (Biotechnology) Semester-VI										
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	
BBTL-6085	Chemistry-III	C	2-0-0	2-0-0	2	50	40	-	10	3
BBTP-6065	Lab in Chemistry-III	C	0-0-2	0-0-1	1	25	-	20	05	3

The Course scheme, Course Outcomes and proposed syllabi with 20% internal assessment of chemistry of class **Bachelor of Science** semester V and VI and **Bachelor of Science (Biotechnology)** semester VI under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2025-26 as discussed and passed in BOS meeting is attached herewith as an **Annexure D**.

The house approved the Item: Chem: 2025: 11: 4

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.

Proceedings:

In Bachelor of Science (Home Science) semester V and VI under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26, **Chemistry** subject will have 3 credits in semester V and 4 credits in semester VI. It was decided to add 20% internal assessment in all papers of **Bachelor of Science (Home Science)** Semester V and VI under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26.

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)
Credit Based Continuous Evaluation Grading System (CBCEGS)
(Session: 2025-26)

Bachelor of Science Home Science (Three 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	
BHSL-5083	Basic Nutritional Biochemistry	C	3-0-0	3-0-0	3	75	60	-	15	3

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)
Credit Based Continuous Evaluation Grading System (CBCEGS)
(Session: 2025-26)

Bachelor of Science Home Science (Three Year Degree Programme)										
Semester-VI										
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-6086	Applied Nutritional Biochemistry	C	3-0-2	3-0-1	4	100	60	20	20	3+3

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 as discussed and passed in BOS meeting is attached herewith as an **Annexure E**.

Chem: 2025: 11:6

To discuss syllabi with 30% internal assessment of **Master of Science (Chemistry)** Semester I and II for the session 2025-26 will remain the same as session 2024-25 under Credit Based Continuous Evaluation Grading System and has already been approved.

Proceedings: The syllabi of **Master of Science (Chemistry)** Semester I and II for the session 2025-26 with 30% internal assessment will remain the same as session 2024-25 under Credit Based Continuous Evaluation Grading System (CBCEGS) and has already been approved. (Attached herewith as an **Annexure F**).

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: 2025-26)

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-I	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	1-0-2	1-0-1	2	50	20	15	15	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					24	650				

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: 2025-26)
Semester II

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	Organic Reaction Mechanism -II	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 Biology for Chemists	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	750				

The house approved the Item: Chem: 2025: 11:6

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.

Proceedings: 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 (CBCEGS) and has already been approved. (Attached herewith as an **Annexure G**).

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: 2025-26)

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: 2025-26)

Bachelor of Science/Honours (Semester II)										
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-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

The house approved the Item: Chem: 2025: 11:7

Chem: 2025: 11:8

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.

Proceedings: 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 (CBCEGS) and has already been approved. (Attached herewith as an **Annexure H**).

KANYA MAHA VIDYALAYA JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATION OF FIVE YEAR
INTEGRATED PROGRAMME
Master of Science (Physics) (FYIP)
Credit Based Continuous Evaluation Grading System (CBCEGS)
(Session: 2025-26)

Master of Science (Physics) (FYIP) (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	3-0-0	3-0-0	FPHL-1086	C	100	Organic Chemistry (Theory)	70	-	30	3
	0-0-2	0-0-1	FPHP-1088	C	50	Organic Qualitative Analysis (PRACTICAL)	-	35	15	3

KANYA MAHA VIDYALAYA JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATION OF FIVE YEAR
INTEGRATED DEGREE PROGRAMME
Master of Science (Physics) (FYIP)
Credit Based Continuous Evaluation Grading System (CBCEGS)
(Session: 2025-26)

Master of Science (Physics) (FYIP) (Semester II)										
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	3-0-0	3-0-0	FPHL-2086	C	100	Inorganic Chemistry	70	-	30	3
	0-0-2	0-0-1	FPHP-2088	C	50	Inorganic Chemistry Lab	-	35	15	3

The house approved the Item: Chem: 2025: 11:8

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 (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.

Proceedings:

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 Science (Home Science)** semester III, IV, V and VI, **Master of Science (FYIP) Physics** Semester I and II for the session 2025-26 (**Annexure I**).

The house approved the Item: Chem: 2025: 11:9.

Chem: 2025: 11:10

To discuss the scheme of **Bachelor of Science/Honours** Semester III and IV under Credit Based Continuous Evaluation Grading System (CBCEGS) for the session 2025-26.

Proceedings :

As per the guidelines of NEP 2020, 4 Years degree Programme **Bachelor of Science/Honours** has been introduced by KMV w.e.f. 2024-25. **Bachelor of Science (Medical)/Honours** with total 221 credits and **Bachelor of Science (Non Medical)/Honours** with total 228 credits.

The house approved the Item: Chem: 2025: 11:10.

Chem: 2025: 11:11

To discuss research inputs and plans of the department for the session 2025-26.

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 four Ph.D teachers and three M.Sc 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. The house highly appreciated the research work of the department.

Chem: 2025: 11:12

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: 2025: 11:12) teaching methodologies and various activities held in department to enhance teaching learning process.

Chem: 2025: 11:13

To discuss the result analysis of the session 2024-25.

Proceedings: BOS members appreciated the result of all classes. **(Annexure J)**

The house approved the Item: Chem: 2025: 11:13

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. Vandana Bhalla
(VC Nominee)

Dr. J. Nagendra Babu
(Outside GNDU Nominee)

Dr. Gaurav Bhargav
(Outside GNDU Nominee)

Mr. Gurvinder Pal
(Industry Expert)

Dr. Harjeet Sra
(Alumni)

Dr. Tank Sinderpal

Dr. Narinderjit Kaur

Dr. Manju Sahni
(Head of the Department)