

UNIVERSITY OF JAMMU

Baba Sahib Ambedkar Road, Jammu-180006 (J&K)

No. F.Acd./II/19/ 3806-3855

Dated: 22-7-19

Subject: -- Minutes of the Meeting of Board of Studies in Chemistry in the Faculty of Science.

Sir/Madam,

Please find enclosed the copy of the minutes of the meeting of the Board of Studies in Chemistry in the faculty of Science held on 11.06.2019 duly approved by the Vice-Chancellor for your information and further necessary action.

The Minutes of the Board of Studies in Chemistry is available on the University website: www.jammuuniversity.in

Thanking you,

Yours faithfully,


Assistant Registrar (Academic)

Encl: - As above

Copy to:-

1. Sr. P.A.to the Dean Academic Affairs.
2. Sr.P.A.to the Controller of Examination along with minutes of the meeting.
3. Assistant Registrar (Confidential)

MINUTES OF THE MEETING OF BOARD OF STUDIES IN CHEMISTRY HELD ON 11/06/2019 AT 11:00 AM IN THE P.G. DEPARTMENT OF CHEMISTRY, UNIVERSITY OF JAMMU, JAMMU.

A meeting of the Board of Studies in Chemistry was held on 11th of June 2019, in the Post Graduate Department of Chemistry, University of Jammu, at 11:00 am. The following were present:

- | | | |
|-----|------------------------|---|
| 1. | Prof. R.K. Bamezai | (Convener, Board of Studies in Chemistry & HoD Chemistry, University of Jammu) |
| 2. | Prof. Meena Sharma | (Department of Chemistry, University of Jammu) |
| 3. | Prof. H.N. Sheikh | (Department of Chemistry, University of Jammu) |
| 4. | Prof. Satya Paul | (Department of Chemistry, University of Jammu) |
| 5. | Prof. D.S. Sambyal | (Department of Chemistry, University of Jammu) |
| 6. | Dr. Monika Gupta | (Special Invitee, Department of Chemistry, University of Jammu) |
| 7. | Dr. Ashwani Kumar | (Special Invitee, Department of Chemistry, University of Jammu) |
| 8. | Prof. Assadullah Khan | (Department of Chemistry, GDC, Rajouri) |
| 9. | Dr. Aran Kumar | (Department of Chemistry, GDC, Udhampur) |
| 10. | Prof. Anjali Abrol | (Department of Chemistry, Girdharilal Dogra Memorial Degree College, Hiranagar) |
| 11. | Dr. Neerupama | (Department of Chemistry, GDC, Samba) |
| 12. | Prof. Bansi Lal | (Department of Chemistry, GDC, Ramban) |
| 13. | Prof. Rajesh Kumar | (Department of Chemistry, GDC, Baderwah) |
| | (Academic Arrangement) | |

Item No. 1: To confirm the minutes of previous meeting of Board of Studies in Chemistry.

Resolution: The minutes of meeting of the Board of Studies in Chemistry held on 15.11.2018 were confirmed by the members.

Item No. 2: To review the syllabi and courses of studies in the subject of Chemistry for all semesters (I to VII) under Choice Based Credit System (CBCS) at undergraduate level for the examination to be held in the years as mentioned below:

Semester-I: December 2019, 2020 & 2021
Semester-II: May 2020, 2021 & 2022
Semester-III: December 2020, 2021 & 2022
Semester-IV: May 2021, 2022 & 2023
Semester-V: December 2021, 2022 & 2023
Semester-VI: May 2022, 2023 & 2024

Resolution: A committee of six faculty members from various Degree Colleges was formed in the Board of Studies meeting held on 15.11.2018. The committee was authorized to review whether the syllabus in its present form is to be continued or modified by introducing branch wise courses in Chemistry in theory as well as practicals in each semester. The modified syllabus was submitted by Dr. Ved Kumar, Head, Govt. Degree College (Boys), Udhampur, to the Convener in which branch wise courses were suggested in different semesters. However, the consent/views of the other committee members constituted for this purpose was not obtained.

As most of the faculty members from various Degree Colleges did not attend the meeting, it was resolved by the members present to continue the existing syllabus for the subsequent years, i.e., for three years as the present syllabus is student friendly and students are comfortable with it. However, few minor changes were proposed. The extent to which changes are incorporated is mentioned below.

S.No.	Class	Semester	For the examination to be held in the year	Course Number	Percentage of change/Any other change
1.	B.Sc.	I	December 2019, 2020 & 2021	UCHTC101	No change
				UCHPC102	No change
		II	May 2020, 2021 & 2022	UCHTC201	< 5% change
				UCHPC202	No change
		III	December 2020, 2021 & 2022	UCHTC301	No change
				UCHPC302	No change
				UCHTS303	No change
		IV	May 2021, 2022 & 2023	UCHTC401	No change
				UCHPC402	No change
				UCHTS403	No change
		V	December 2021, 2022 & 2023	UCHTE501	No change
				UCHPE502	No change
				UCHTS503	No change
		VI	May 2022, 2023 & 2024	UCHTE601	< 5% change
				UCHPE602	No change
				UCHTS603	No change

It was also resolved that, if necessary, the question paper in core courses will be set by two examiners as the syllabi constitutes two different specializations.

Item No. 3: To introduce B.Sc. (Honours) course in Chemistry at Govt. Degree College (Boys), Udhampur, as per communication of the Govt. of J&K, Higher Education Department vide order no. 89-HE of 2018 dated 16.02.2018.

Resolution: A draft of the said syllabus prepared by Dr. Ved Kumar, Head, Department of Chemistry, Govt. Degree College (Boys), Udhampur, was submitted to the Convener, Board of Studies in Chemistry. It was resolved that committee comprising following members will review the syllabus.

1. Prof. S.K. Pandey (Convener)
2. Prof. Meena Sharma
3. Prof. K.K. Kapoor

Meanwhile, the college authorities will complete requisite conditions/formalities required under rules with Director, Colleges Development Council, University of Jammu, for starting the course followed by the visit of competent authority to inspect the infrastructure available in the College.

Item No. 4: To consider the opening of certificate/skill based course in Chemistry.

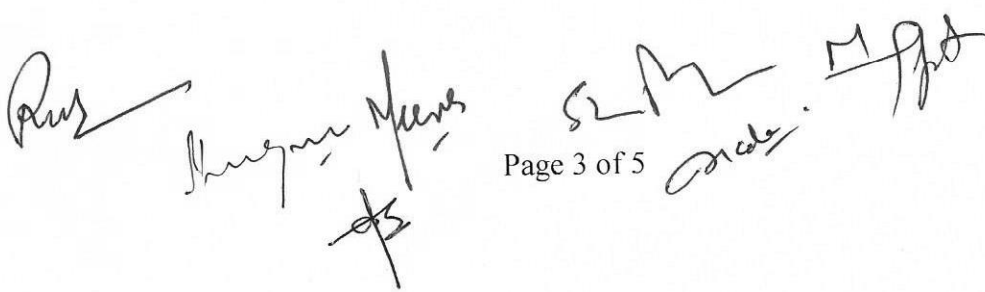
Resolution: It was resolved that the Department will explore the possibility of opening of skill development course namely "Good Lab Practices" or any other likewise course.

Item No. 5: To consider program specific outcomes and course outcomes for Choice Based Credit System (CBCS) and Non-Choice Based Credit System.

Resolution: It was resolved that for all courses (Undergraduate-CBCS and Postgraduate-CBCS and Non-CBCS), specific outcomes and course outcomes shall be reflected in the respective courses as per the guidelines of Internal Quality Assurance Cell.

Item No. 6: To approve MOOC courses in CBCS and Non-CBCS.

Resolution: It was resolved that students of 3rd/4th Semester, Session 2018-19, Post Graduate Department of Chemistry, University of Jammu, who have opted the MOOC course in SWAYAM Portal be approved. The courses opted by the students are:
2 Credits Course: (i) Laboratory and work shop management
(ii) Redefining laboratory instructions using virtual Laboratory



It was also resolved that the Post Graduate students of Non-CBCS in Chemistry enrolled in Govt. Degree Colleges, namely, Rajouri, Bhaderwah and Udhampur, be also encouraged to register in these courses in their 3rd/4th semesters from the current session.

Item No. 7: To consider the recommendations made by Curriculum Reforms Committee for revising the syllabus of MDP Programme of CBCS in Chemistry.

Resolution: As per the directions of Hon'ble Vice-Chancellor, a five days workshop was organized by the Department of Chemistry from May 10-14, 2019. The nine eminent academicians from various institutes/universities and one from R and D industry were invited to take part in deliberations. The committee recommended major revision in the theory as well as laboratory components of all semesters of M.Sc. program of CBCS in Chemistry. In addition, the committee pointed out some observations based on which they suggested the following changes for its implementation.

1. There shall be only one minor test of 1.30 hours duration in each theory course which will have a weightage of 20 marks. The minor test shall be held upon completion of 20 % of syllabus. The major test to be held at the end of semester will have two sections, A & B. Section-A, a compulsory one, consisting of 16 marks (short question-answer based) will be set from across the syllabus. Section-B having four units with two questions in each unit will be set from the remaining syllabus which is not covered in minor test. The candidate will have to attempt one question from each unit. The duration of this test will be of 3 hours.
2. There shall be an Audit course for CBCS in the 3rd semester. Here a student can attend classes but cannot be graded or given credit for this course. In this course, the registered research scholars of the Department will present their findings in presence of all faculty members to the students of 3rd semester. The two lectures per week (from July to November) will be delivered by various research scholars and duration of each lecture will be of 30 minutes. It will be mandatory for all students of 3rd semester to be present and attend this course. The work reported by various research scholars will help students for the purposes of their self enrichment and academic exploration. It will be also beneficial to those students who wish to choose research as their carrier. The students completing this course must have a minimum of 75% mandatory attendance failing which they will not be eligible to appear in the major examination. The participation of students in the Audit course will be reflected in their respective marks sheet. The Head of the Department shall be the Course Director who will draft the schedule of lectures in consultation with the faculty members.

[Handwritten signatures and initials]

3. The resource persons of curriculum reforms committee also emphasized that instead of 8-credits laboratory course in 4th semester, the laboratory course may be divided in two heads:
 - (a) 6-credits laboratory work of 150 marks, and
 - (b) 2-credits work based on review of literature work on any recent research topic, the choice of which will be left to students in consultation with the concerned faculty member. This will have a weightage of 50 marks and will be evaluated by an external examiner. The three external examiners (Inorganic, Organic and Physical) shall be invited in 4th semester to evaluate the project work and also to conduct the practical examination of students of their respective specializations. The project work will be in the form of small dissertation which will be kept in the custody of the Department, once a student successfully defends his/her work.
4. The third semester will have additional course in Inorganic, Organic and Physical Chemistry so that the students have a choice to choose the elective course. The additional courses will be drafted by the faculty members in consultation with their sectional Heads.

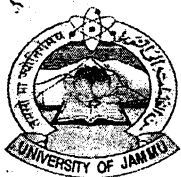
In view of above observations by the committee members, it was unanimously resolved that above modalities will be submitted to the Academic Council for its approval and implementation so that the course can be started from 2020 session onwards in the Post Graduate Department of Chemistry, University of Jammu. The complete details of the syllabus from 1st to 4th semesters are being formulated. Once the course is approved by the competent authority, the same will be implemented in the Non-CBCS of PG programs held at Govt. Degree Colleges at Rajouri, Bhaderwah and Udhampur.

Item No. 8: To prepare the panel of paper setters/examiners to be sent to the Controller of Examinations, University of Jammu, Jammu.

Resolution: It was resolved that the Convener, Board of Studies in Chemistry is authorized to prepare the panel of paper setters/examiners.

The meeting terminated with a vote of thanks.

1. Rameshwar 2. Meenu 3. Hugma 4. S. L. M.
 5. [Signature] 6. [Signature] 7. [Signature] 8. _____
 9. _____ 10. _____ 11. _____ 12. _____
 13. _____



UNIVERSITY OF JAMMU, JAMMU
(NAAC ACCREDITED 'A+' GRADE UNIVERSITY)

No. F.Acd/II/18/11615-11656
Dated 10-12-18

All members

**Subject:-- Minutes of the Meeting of Board of Studies in Chemistry in the
Faculty of Science**

Sir/Madam,

The minutes of the meeting of the Board of Studies in Chemistry in the Faculty of Science held on 15.11.2018 duly approved by the Vice-Chancellor for your information and further necessary action.

The Minutes of the Board of Studies in Chemistry is available on the University website: www.jammuuniversity.in


Thanking you,

Yours faithfully,


Assistant Registrar (Academic)

Copy to: -

1. Sr. P.A.to the Dean Academic Affairs.
2. Sr.P.A.to the Controller of Examination along with minutes of the meeting.
3. Assistant Registrar (Confidential)
- ✓ 4. Incharge, University Website for necessary action please

 6/12/18 M 10/12/18

MINUTES OF THE MEETING OF BOARD OF STUDIES IN CHEMISTRY HELD ON 15/11/2018 AT 11:00 AM IN THE P.G. DEPARTMENT OF CHEMISTRY, UNIVERSITY OF JAMMU, JAMMU.

A meeting of the Board of Studies in Chemistry was held on 15th of November 2018, in the Post Graduate Department of Chemistry, University of Jammu, at 11:00 am. The following were present:

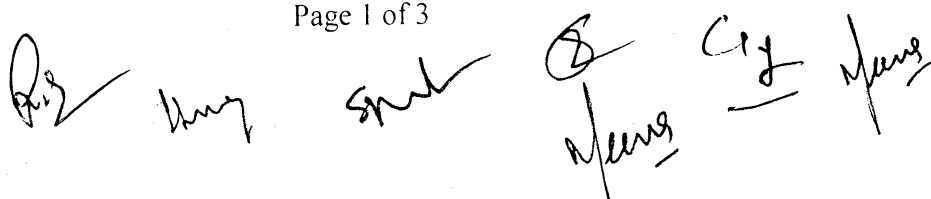
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|-----------------------------|--|
| 1. Prof. R.K. Bamezai | (Convener, Board of Studies in Chemistry & HOD Chemistry, University of Jammu) |
| 2. Prof. Meena Sharma | (Department of Chemistry, University of Jammu) |
| 3. Prof. S.K. Pandey | (Department of Chemistry, University of Jammu) |
| 4. Prof. H.N. Sheikh | (Department of Chemistry, University of Jammu) |
| 5. Prof. Satya Paul | (Department of Chemistry, University of Jammu) |
| 6. Dr. Gauri D. Bajju | (Department of Chemistry, University of Jammu) |
| 7. Dr. Ved Kumar | (Department of Chemistry, GDC Udhampur) |
| 8. Prof. Arun Kumar | (Department of Chemistry, GDC Boys, Hiranagar) |
| 9. Prof. Z.A. Mirza | (Department of Chemistry, GDC Rajouri) |
| 10. Dr. Rajinder Singh | (Department of Chemistry, GDC R.S. Pura) |
| 11. Dr. Nisar Ahmad Bulla | (Department of Chemistry, GDC Bhaderwah) |
| 12. Dr. Manjulla Gupta | (Department of Chemistry, GDC Samba) |
| 13. Prof. Sumanesh | (Department of Chemistry, GDC Kathua) |
| 14. Prof. Vaishali Misra | (Department of Chemistry, GDC Udhampur) |
| 15. Prof. Kiran Bala | (Department of Chemistry, SVS Degree College, Chhan Arorian, Kathua) |
| 16. Prof. Raj Kumari | (Department of Chemistry, GDC Women Kathua) |

Item No. 1: To confirm the minutes of previous meeting of Board of Studies in Chemistry.

Resolution: The minutes of meeting of the Board of Studies in Chemistry held on 17.05.2018 were confirmed by the members.

Item No. 2: To review the syllabi and courses of studies in the subject of Chemistry for Semester I to III under Choice Based Credit System (CBCS) at Undergraduate level for the examination to be held in the years as: Semester-I (December 2019, 2020 & 2021), Semester-II (May 2020, 2021 & 2022), and Semester-III (December 2020, 2021 & 2022).

Resolution: It was resolved by the members that a committee comprising faculty members from Colleges and different branches of Chemistry be constituted. The committee will review whether the syllabus in its present form is to be continued for subsequent years or to modify the syllabus by introducing branch wise courses in Chemistry in theory as well as practicals in each semester. The following faculty members are requested to review the syllabus and submit their



recommendations to Convener, Board of Studies in Chemistry by 30th December 2018, so that the same is placed in the next Board of Studies meeting. The committee members are:

1. Dr. Ved Kumar (Department of Chemistry, GDC Boys, Udhampur)
2. Prof. Sumanesh (Department of Chemistry, GDC Kathua)
3. Dr. Nisar Ahmad Bulla (Department of Chemistry, GDC Bhaderwah)
4. Prof. Raj Kumari (Department of Chemistry, GDC Women Kathua)
5. Dr. Rajinder Singh (Department of Chemistry, GDC R.S. Pura)
6. Prof. Z.A. Mirza (Department of Chemistry, GDC Rajouri)

Item No. 3: Regarding some changes in syllabus of Course No. UCHTE301.

Resolution: The faculty members from Colleges apprised that the contents in Course No. UCHTE301 entitled, "Solutions, Phase Equilibrium, Conductance, Electrochemistry and Functional Group Organic Chemistry" are too lengthy and normally can't be covered within the stipulated time. After threadbare discussion, it was resolved that the Heads of Chemistry Department of various Colleges will discuss the issue with their fellow colleagues and recommend the changes by 30th December 2018. The same will be reviewed in the next Board of Studies meeting.

Item No. 4: To introduce B.Sc. (Honours) course in Chemistry at Govt. degree College (Boys) Udhampur, as per communication of the Govt. of J&K. Higher Education Department vide order no. 89-HE of 2018 dated 16.02.2018.

Resolution: A draft of syllabus and other modalities pertaining to the introduction of B.Sc. (Hons.) course in Chemistry, endorsed by the Principal, was prepared by the Head, Department of Chemistry, Govt. Degree College (Boys), Udhampur, for consideration. After threadbare discussion, it was proposed that a committee of faculty members from the Chemistry Department of concerned College as well as from University be constituted. The committee will look into the minute details of syllabus and other modalities. The following faculty members from the concerned college will review the complete contents of syllabus.

1. Dr. Ved Kumar (Department of Chemistry, GDC Udhampur)
2. Dr. Satish Kumar (Department of Chemistry, GDC Udhampur)
3. Dr. Roshan Lal (Department of Chemistry, GDC Udhampur)

They are requested to submit their report by 30th December 2018. The following faculty members from University will study the report:

1. Prof. S.K. Pandey (Convener)
2. Prof. Meena Sharma
3. Prof. K.K. Kapoor
4. Prof. H.N. Sheikh
5. Prof. Satya Paul
6. Prof. D.S. Sambyal

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It was also resolved that a request be made to the University of Jammu to constitute a committee which will probe the infrastructure available and details of faculty strength in Chemistry in the concerned College before permitting the introduction of B.Sc. (Hons.) Course in Chemistry.

Item No. 5: To prepare a panel of paper setters/examinations to be sent to the Controller of Examinations, University of Jammu, Jammu.

Resolution: It was resolved that the Convener, Board of Studies in Chemistry, is authorized to prepare the panel of paper setters/examiners.
It was also resolved that the next Board of Studies meeting in Chemistry may be fixed for March/April 2019.

The meeting terminated with a vote of thanks.

1. R.B. 2. Mune 3. Seema 4. Hargun
5. S.L.-M 6. C.Y.