

Minutes of the 11th BOS meeting held on 14th December 2023 via Zoom platform

The following members were present

Dr. Harichandra Parbat
Prof. I N. N. Namboothiri
Dr. Rajiva Kothurkar
Ms. Ankita Yadav
Dr. Prabha Shetty
Dr. Sirisha Murthy
Ms. Tanaz Asha
Ms. Lynelle Jeysus

- The 11th BOS meeting of the Department of Chemistry was held on 14th December 2023 at 5 pm via Zoom Platform.
- The Head of the Department Dr. P. Shetty welcomed all the members.
- The minutes of the last BOS meeting held on 15th June 2023 were read by Ms. Tanaz Asha and later passed by the board.
- The syllabus for UG and PG Semester 2 under NEP was presented.
- The board members were informed that FY B.Sc syllabus was framed for one DSC, two SECs and one OE; this has been worked out by the college committee based on the NEP-2020 guidelines.
- FYBSc syllabus for DSC (discipline specific course) of 4 credits and SECs (Skill Enhancement Course) of 2 credits each and OE (Open Elective) of 2 credits were presented by Ms. Tanaz Asha.
- Prof. Namboothiri and Dr. H Parbat suggested adding the recapitulation of MOT and VBT in unit 2 (DSC). Prof Namboothiri suggested incorporating the symmetry element concepts in stereochemistry under unit 3 (DSC).
- After the presentation of DSC syllabus SEC 1 and SEC 2 syllabus were presented. Prof Namboothiri suggested introducing heavy water and supercritical water in the theory of SEC2 and Ms. Ankita Yadav suggested adding analysis of industrial effluent such as steel, textile industry, ETP (effluent treatment plant) in the practical course.
- MSc syllabus for the first year SEM2 included two papers of DSC (discipline specific course) of 6 credits each and one DSE (discipline specific elective) of 4 credits were presented by Ms. Lynelle Jeysus.
- Prof Namboothiri suggested the application of quantum chemistry in problem solving of chemistry related questions to be included in unit 1 (DSC).
- Then DSC-2 syllabus was presented. Prof. Namboothiri asked about the common points for selection of the name reactions for unit 1.1. In response Dr. S. Murthy pointed out that

since the number of lectures have reduced we selected only those reactions that are not taught in the TYBSc. To this, Prof. Namboothiri suggested adding more multicomponent name reactions. He also suggested recapitulation of modes of vibrations in IR should be included in unit 3. In response Dr. H. Parbat pointed out that Basics of Spectroscopy and modes of vibrations are already covered in the TYBSc Mumbai University syllabus. Lastly, Prof. Namboothiri suggested formatting the reference list and mentioning the latest edition for each book.

- A resolution for the Semester 2 syllabus for FYBSc and MSc part 1 was proposed by Dr. Prabha Shetty and seconded by Dr. H. Parbat.
- The board members were told that the department will try to incorporate changes as per suggestions and update all of them at a later stage. The board members were of the opinion that since all things are in a state of flux they have no problem with the changes made by the department later.

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