

مولاانا آزاد نيشنل اردو يونيورسٽي
MAULANA AZAD NATIONAL URDU UNIVERSITY

(A Central University Established by an Act of Parliament in 1998)

(Accredited "A" Grade by NAAC)

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SCHOOL OF SCIENCES

Department of Botany

Minutes of the Board of Studies meeting of Botany:

The first Board of Studies meeting of Botany was held on 9th Feb, 2015 at 11 AM in Academic Staff College, MANUU to formulate the syllabus of M. Sc Botany.

The agenda of the meeting is as follows:

1. To Design the course structure of M. Sc Botany under CBCS pattern along with paper titles.
2. Suggestion and approval of Add on courses for UG and PG Courses
3. Suggestion and approval of Special Papers(Electives) in M. Sc
4. Approval of Theory and Practical Model Question paper of Semester examination.
5. Approval for starting M. Sc Botany in MANUU campus from 2015-16
6. Any other matter with the permission of the chair.

The following members attended the meeting.

1. Prof.P.F.Rahman-----Member
2. Prof N.Hassan-----Invited member
3. Prof.P.Appa Rao-----Member
4. Prof Arif ali-----Member
5. Dr.S.Maqbool Ahmed-----Chairman
6. Ms.Ira Khan-----Member
7. Dr.Qasimullah-----Invited member

The meeting started with initial remarks of Prof .P.F Rahman by welcoming the members. He briefed about how the **School of Sciences** has been established in MANUU campus. In his initial remarks he said that this academic year under School of Sciences four more departments have come up i.e., **Department of Botany, Dept of Zoology, Dept of Physics and Dept of Chemistry**. The Dept of Mathematics is old department which was established in 2011. He shared with the outside members about the faculty input in all the departments.

He further explained about the proposed course structure of M. Sc with Credit Based Choice System and further he invited other members for open discussion.

After discussion following points were resolved.

1. Each paper shall be of 3 credits instead of 4 credits.
2. There shall be 36 to 40 teaching hours for each paper.
3. Each paper shall be distributed into 3 Units instead of 4 Units accordingly whole syllabus shall be covered in three Units.
4. Each credit shall have 12 to 16 hours of teaching.
5. One hour theory paper will be of 1 Credit and 3 hours practical's carry 2 credits
6. M. Sc course is divided into four semesters and in each semester 4 theory papers and 2 practical are included.

Following structure has been approved

Semester 1 (I year)	Max.marks	Credits
Theory Paper - 1	100	3
Theory Paper - 2	100	3
Theory Paper - 3	100	3
Theory Paper - 4	100	3
Practical - 1	50	3
Practical - 2	50	3
C B C S		3
Total credits		21

Semester 2 (I year)	Max.marks	Credits
Theory Paper - 5	100	3
Theory Paper - 6	100	3
Theory Paper - 7	100	3
Theory Paper - 8	100	3
Practical - 3	50	3
Practical - 4	50	3
C B C S		3
Total credits		21

Semester 3 (II year)	Max.marks	Credits
Theory Paper - 9	100	3
Theory Paper - 10	100	3
Theory Paper - 11	100	3
Theory Paper - 12	100	3
Practical - 5	50	3
Practical - 6	50	3
C B C S		3
Total credits		21

Semester 4 (II year)	Max.marks	Credits
Theory Paper – 13	100	3
Theory Paper – 14	100	3
Theory Paper – 15	100	3
Theory Paper – 16	100	3
Project		6
Total credits		18

1st semester = 21 credit
 2nd semester = 21 credit
 3rd semester = 21 credit
 4th semester = 18 credit
Total credits = 81

The First & second semester paper Titles as well as course content has been approved. These papers titles are as follows:

I semester

- Paper 1. Biology & Diversity of Viruses, Bacteria and Fungi
- Paper 2. Biology & Diversity of Algae, Bryophyta and Pteridophyta
- Paper 3. Biochemistry
- Paper 4. Cell Biology

II Semester

- Paper 5. Biology & Diversity of Gymnosperms
- Paper 6. Plant Development & Reproduction
- Paper 7. Plant Physiology
- Paper 8. Taxonomy of Angiosperms

Whereas III and IV semester tentative paper titles have also been discussed and the course content of theory paper will be discussed in the next BOS meeting.

The titles of III & IV papers are as follows.

III Semester

Paper 9.Molecular Biology

Paper10.Genetics

Paper11.Phytoresource Utilization & Conservation

Paper12.Plant Ecology

IV Semester

Paper 13.Plant Biotechnology

Paper14.Microbial Technology

Paper15.Technques in Plant Sciences

Paper16.Phy to pathology

The project work will be 200 marks with 6 credits, students will be required to select the topic in third semester. Presubmission viva will be carried out in Third semester and the report of the project will be submitted in the fourth semester .

As per UGC guidelines it is Pertinent to introduce some add on courses in I,II and III semester . So keeping in mind Prof Najamul Hasan has discussed with the members for introducing "**Essentials of mathematics and statistic is the First semester**". This Paper will be offered by the Department of Mathematics. Prof .P. Appa rao and Prof Arif Ali said these Add on or Elective courses may offer by other Schools and the students shall have choice to opt these papers in I,II and III semesters. Further they said it is the University discretion to give the Nomenclature as Add on /Special/ Elective / open course.

Anyhow all the 8 paper titles of I & II semester have been finalised, but the practical component &Special paper component in III & IV paper is still under the course of discussion. This will be finalised only in the next BOS meeting.

The second major part of BOS meeting was also discussed i.e.,Add on course to be offered by the Department at UG level . This has also been approved.

The following Add on courses have been approved & the Dept in future may offer any one/ two Add on Courses among the four.

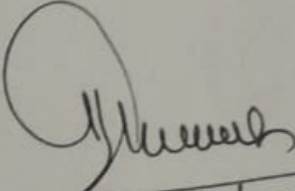
1. Mushroom Technology
2. Biofertilizers
3. Vermi Compost
4. Medicinal Botany

Further, the Model Term end Exams paper & the panel of Examiners for paper setting and also panel of External Examiners for Practical's has also been approved by the BOS members.

Further , the BOS Chairman **Dr.S. Maqbool Ahmed** thanked all the member for their presence and also for giving valuable inputs.

Copy to

1. Dean, School of Sciences
2. Dean, Academics, MANUU
3. BOS members
4. Concerned file



11/02/15