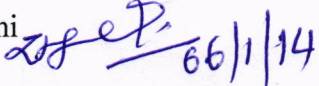
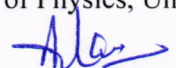
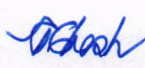

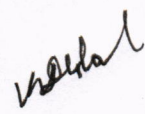
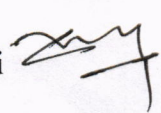


## Proceedings of the meeting of Board of Study for under Graduate and Post Graduate programme in Physics

A meeting of Board of Study appointed by the Hon'ble Vice Chancellor, UOU, Haldwani was held on Jan 06, 2014 at the ANTE room of the University. The following members were present.

1. Prof. R. C. Mishra, Director Academics, UOU, Haldwani  66/1/14
2. Prof. Awadhesh Kumar Rai, Professor Physics, Department of Physics, University of Allahabad, Allahabad 
3. Prof. C.K. Ghosh, Regional Director, Regional services Division, I.G.N.O.U., Delhi 
4. Prof. R. C. Shrivastva, Professor and Head, Department of Physics, CBSH, G.B.P.U.A.&T. Pantnagar, India 
5. Dr. Kamal Devlal, Academic Associate, Physics Department, SoS, UOU, Haldwani 
6. Dr. Charu C. Pant, Academic Associate, Chemistry Department, UOU, Haldwani 

Prof. Shatendra Kumar Sharma, Jawaharlal Nehru University, Delhi could not attend the meeting.

### PROCEEDINGS

Dr Kamal Deolal briefed the members about the progress regarding B.Sc. and M.Sc. programme at UOU and presented the agenda for discussion.

#### **Part I: Current status**

UOU has entered into an agreement with BRAOU, Hyderabad and VMOU, Kota respectively for borrowing their SLM for Master and Bachelor level. It was recommended that this arrangement may continue till such time UOU prepare its own SLM.

## Part II: M.Sc. Physics programme

The following decisions were taken with regard to M.Sc. Physics programme.

1. The BOS discussed the recommendations of the expert committee and resolved that M.Sc. physics programme may be started as soon as possible according to curriculum and syllabus as approved by enclosed with this minutes as Annexure No. 1.
2. As per UGC guidelines and recommendation of expert committee BOS approved the semester mode for M.Sc. Physics Programme.
3. BOS approves that only one specialization in Electronics and Communication at present and other specializations in Material Science/ Astrophysics/ Plasma physics in near future.
4. The minimum 8 numbers of experiments in each semester are to be performed by student.
5. Duration of the programme shall be minimum two years and maximum five years.
6. Weightage for continuous assessment through assignment and term examination for theory courses may be 40% and 60%, respectively.
7. Practicals are to be handled through full-time counselling and 10% of the total credit hours will be spent for theory counselling. The counselling period of one/two weeks in each semester /year must also be devoted to provide the additional support for practical lab work in the mode of compulsory workshops.
8. Admission eligibility for M.Sc. programme shall be the degree of B.Sc. with physics or allied subjects i.e. B.Sc. Electronics/ B. Tech. Electronics/IT/Computer Science/Mech. Or equivalent.
9. Lateral Entry Provisions:

Any student who has completed the first year or first/second semester of masters degree programme from any other University may get the admission in the second year/semester provided that:

- i) The hiatus between pervious study and admission in lateral entry mode should not be more than five years. A student who completed previous studies five years back shall not be allowed admission under lateral entry scheme.
- ii) The student has to clear all the courses of the programme offered by UOU. However, the courses studied in university are not required to be cleared. The student has to clear all the remaining courses and credits for the programme. The Department/ Faculty concerned will decide the remaining courses and credit for the admission in second year or third/fourth semester of lateral entry.
- iii) The marks/grade obtained in the courses studied in previous university shall be converted into the pattern of UOU, and then previously obtained marks will be incorporated in the total marks obtained for the degree programme.

10. If any modification is urgently required regarding the programme/course contents the Programme Coordinator can make the same with the endorsement of the higher authority (Director/Director Academics). The modification will be produced before the next BOS meeting for its post facto approval.
11. BOS approved that only those study centres can offer M.Sc. Physics programme which have the Faculty and Laboratories of Masters Level in Physics.
12. BOS agreed that SLM will be developed in English medium for Masters Level.
13. BOS agreed to introduce PG diploma and advance diploma programmes in  
(a) Material Science and Nanotechnology (b) Astrophysics (c) Biophysics
14. It is approved that the expert committee/ BOS should meet in each semester/year so that latest developments may be incorporated from time to time.
15. Four Video lectures per unit will be prepared for every course which would serve the purpose of learner support.
16. One elective course viz. Practical Computational Methods and Programming may be considered as a compulsory course in the future.

### **III B.Sc. (Physics) programme**

The following decisions were taken with regard to B.Sc. Physics programme.

1. The BOS discussed the recommendations of the expert committee and resolved that B.Sc. physics programme may be started as soon as possible according to curriculum and syllabus as approved by enclosed with this minutes as Annexure No. 2.
2. As per UGC guidelines and recommendation of expert committee BOS approved the annual mode for B.Sc. Physics Programme. However, semester mode of programme may be adopted in future.
3. The minimum number of experiments each year to be performed by a student shall be 15.
4. Duration of the programme shall be minimum three years and maximum six years.
5. Weightage for continuous assessment through assignment and term examination for theory courses may be 40% and 60%, respectively.
6. Practicals are to be handled through full-time counselling and 10% of the total credit hours will be spent for theory counselling. The counselling period of one/two week in each semester /year must also be devoted to provide the additional support for practical lab work as the compulsory workshop.
7. Admission eligibility for B.Sc. programme shall be 12<sup>th</sup> class pass or equivalent with mathematics and physics or allied subjects Or equivalent.

8. Lateral Entry Provisions:

Any student who has completed the first / second year of Bachelors degree programme from any other Universities may get the admission in the second or third year provided that:

- i) The hiatus between pervious study and admission in lateral entry mode should not be more than five years. A student who completed previously studies five years back shall not be allowed admission under the lateral entry scheme.
- ii) The student has to clear all the courses of the programme offered by UOU however, the courses studied in university are not required to be cleared. The student has to clear all the remaining courses and credits of the course programme. The Department/ Faculty concerned will decide the remaining courses and credits for the admission in second or third year of lateral entry.
- iii) The marks/grade obtained in the courses studied in previous university shall be converted into the pattern of UOU, and then previously obtained marks will be incorporated in the total marks obtained for the degree programme.

9. If any modification is urgently required regarding the programme/course/contents the Programme Coordinator can make the same with the endorsement of the higher authority (Director/Director Academics). The modification will be produced before the next BOS meeting for its post facto approval.

10. Subject combinations proposed by expert Committee (given below) are approved.

- (a) Physics , Mathematics and Chemistry
- (b) Physics , Mathematics and Geography
- (c) Physics, Mathematics and Economics
- (d) Physics, Mathematics and Computer Science

11. It is proposed that SLM will be developed in English medium initially. However, SLM may be translated into Hindi medium also.

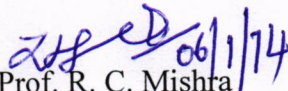
12. BOS approved a tentative list of subject experts for the developments of SLM preparation and paper-setting etc for both B.Sc. and M.Sc. This list is attached with these minutes and marked as Annexure No. 3. However, if required, some more experts may be included with the permission of the Hon'ble Vice-Chancellor.

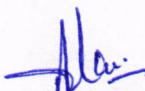
13. The expert committee/ BOS should meet in each semester/year so that latest developments may be incorporated time to time.

14. Separate expert committee for B.Sc. programme may be created for developing a common Foundation Course in science for the B.Sc. programme. The members in this committee should be from all the subjects like Chemistry, Mathematics, Zoology, Botany etc.


15. Four Video lectures per unit, will be prepared for every course. These will serve the purpose of learner support.

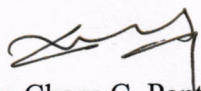
After recommending the resolutions/decisions as mentioned aforesaid the meeting ended with thanks to one and all.

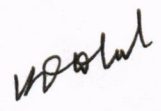
  
Prof. R. C. Mishra

  
Prof. Awadhesh Kumar Rai

  
Prof. C.K. Ghosh

  
Prof. R.C. Shrivastava

  
Dr. Charu.C. Pant

  
Dr. Kamal Devlal