

## **Minutes of the Meeting of the Board of Studies (Physics) 10<sup>th</sup> July, 2020**

The meeting of the Board of Studies (Physics) was held on 10<sup>th</sup> July, 2020 in the Department of Physics at 11.30 a.m. The meeting followed with the following concerns on the agenda.

### **Agenda**

- i. To welcome all the members of BoS
- ii. To review and discuss the syllabi for F.Y.B.Sc and S. Y. B. Sc.
- iii. To discuss the criteria of the internal assessment of S. Y. B. Sc. Students
- iv. To discuss the patterns related with the Semester end external examination for theory and practicals
- v. To prepare the panel of paper setters and external examiners
- vi. To commence value added as well as skill based courses
- vii. Any other subject with the permission of the Chairman

The following members were present for the meeting.

- i. Principal Dr. N. P. Tendolkar (Chairman of the BoS)
- ii. Principal Dr. Sandesh Gurav (VC Nominee: Member BoS)
- iii. Dr. M. R. Kale (Member of the BoS)
- iv. Mr. U. B. Bhatye (Member of the BoS)
- v. Mr. P. P. Jadhav (Member of the BoS)
- vi. Mr. A. C. Dhware (Member of the BoS)
- vii. Dr. Pushpinder Bhatia (Invited Subject Expert)
- viii. Dr. M. M. Karanjakar (Subject Expert: other than parent University)
- ix. Dr. Vikas Mathe (Subject Expert: other than parent University)
- x. Mr. Sachin Bhandari (Industry Expert)

Principal Dr. N. P. Tendolkar, Chairman of the BoS, heartily welcomed all the external members present for the meeting. He further on introduced all the members with each other by expressing his sense of gratitude. He commenced the meeting with a thorough overview on the agenda.

### **Agenda-**

- i) To review and discuss the syllabi for F.Y.B.Sc and S. Y. B. Sc.**

Principal Dr. N. P. Tendolkar, Chairman of the BoS, overviewed the syllabi of the F. Y. B.Sc and S.Y.B.Sc. He extended his views by saying that some of the topics be replaced by the new ones and suffled due to the extreme difficulty level. Therefore, he deliberately emphasized on the changes

be taken place in the current syllabus. He discussed that some topics related with theory viz. Fluid dynamics, Kinematics, digital electronics etc. in the current syllabus of F. Y. B. Sc. be replaced by Simple harmonic motion, complex, Electromagnetic spectrum and electromagnetic nature of light and semiconductor etc. and the topics like electrostatics, laser, diffraction etc. be shuffled for the sake of convenience.

For the meeting was decided to be held online, as per the recommendation by the government, the department sent the syllabi through mail and called for the suggestions as per thereupon. According to the suggestions, the changes have been made in the current syllabi. The detailed information of the reforms made in the new syllabi is attached hereto as the Annexure I.

**Resolution:**

It is unanimously resolved that the changes made in the syllabus were accepted.

Proposed by: Principal Dr. N. P. Tendolkar          Seconded by: Dr. Pushpinder Bhatia

**ii) To discuss the criteria of the internal assessment of S. Y. B. Sc. students**

Dr. M. R. Kale, the BoS member, initiated the discussion about the pattern of the internal examination. She furthered on that the pattern for the internal assessment for the S. Y. B. Sc. students be of 30 marks comprising of 1 class test for 10 marks. She evoked that the 10 marks be assigned for the various classroom activities such as seminar, research projects, problem solving, participation in online courses, open book examination etc. and the rest 10 marks be classified into such as the 5 marks for attendance and 5 marks for active participation in the classroom. Dr. M. R. Kale, the BoS member, extended this discussion by adding the views that the additional examination be conducted for the students who remain absent for the internal test, wherever they represent the college.

**Resolution:**

It is unanimously resolved that the evaluation criteria for the internal examination were accepted.

Proposed by: Dr. M. R. Kale          Seconded by: Dr. M. M. Karanjakar

**iii) To discuss the criteria for the external examination of S. Y. B. Sc. students.**

Continuing with the previous one, Dr. N. P. Tendolkar, Chairman of the BoS, initiated the discussion regarding the external examination of the S. Y. B. Sc. He suggested that the paper pattern for the external examination for 70 Marks be as following:

Q. No		Type of question	Expected question	Marks
1		Multiple choice questions (05)	Problem and theory (based on unit I, II and III)	10
2	a)	Long answer question (01 out of 02)	Theory (based on unit I)	07
	b)	Short answer question (01 out of 02)	Theory(based on unit I)	04

	c)	Short answer (01 out of 02)	Problem(based on unit I)	04
3	a)	Long answer question (01 out of 02)	Theory(based on unit II)	07
	b)	Short answer question (01 out of 02)	Theory(based on unit II)	04
	c)	Short answer (01 out of 02)	Problem(based on unit II)	04
4	a)	Long answer question (01 out of 02)	Theory(based on unit III)	07
	b)	Short answer question (01 out of 02)	Theory(based on unit III)	04
	c)	Short answer (01 out of 02)	Problem(based on unit III)	04
5		Six short answer question ( attempt three)	Theory/problem (based on unit I, II and III)	15

He extended his hand by saying that the practical examination for the nominated semester be conducted before theory examination.

**Resolution:**

It is unanimously resolved that the paper pattern for the external examination was accepted.

Proposed by: Dr. N. P. Tendolkar

Seconded by: Dr. Sandesh Gurav

**iv) To prepare the panel of external paper setters and examiners**

Mr. P.P.Jadhav, as the BoS member, stepped ahead regarding the discussion about the need of external paper setters and examiners. He suggested that the two paper setters for each paper from other colleges in the vicinity around for both the sake of building the quality ratio and the convince. It was accelerated that the responsibility of the question paper and evaluation be shouldered by the subject faculty for allotted curriculum. It was, hereafter, conveyed that the examiners for both the theory and practicals be from the colleges vicinity around for the sake of convenience and availability.

**Resolution:**

It is unanimously resolved that the list of external paper setters and examiners was finalized.

Proposed by: Mr. P. P. Jadhav

Seconded by: Mr. U.B. Bhatye

**v) To commence value added as well as skill based courses**

Dr. Sandesh Gurav, the BoS member, advised that the department as a whole should commence the value added as well as skill based courses as per its convenience. He extended his views by saying that it is a need of era in which the employability fundamentals relied on the skills. In addition to that Mr. Sachin Bhandari suggested the course to be commenced in relation with Renewable Energy.

**Resolution:**

It is unanimously resolved that the lists of value added as well as skill based courses were finalized.

Proposed by: Dr. Sandesh Gurav

Seconded by: Dr. M. R. Kale

**Vi) Any other subject with the permission of the Chairman.**

Mr. A. C. Dhaware, the member of BoS, suggested about shuffling of sub-topics of Microcontroller from the Sem- V to Sem-VI in the T. Y. B. Sc.

**Resolution:**

It is unanimously resolved that the changes in the syllabus were approved and finalized.

Proposed by: Mr. A. C. Dhawre Seconded by: Mr. P. P. Jadhav

Mr. U. B. Bhatye expressed vote of thanks on behalf of the department as well as the college regarding the incredible contribution of all the members of the BoS for their valuable suggestions in designing the new curriculum.

The meeting summed up at 12.30 p.m.