

Minutes

Minutes of the online meeting of the Board of Studies (Mathematics) held on 13th June 2023 at 11.00 a.m. Following members were present for the meeting.

1. Mr. Channayya Hiremath (Assistant Professor and Head of Department)
2. Prof. Dr. Thakar Sarita., Head, Department of Mathematics, Shivaji University, Kolhapur
3. Dr. Ashok Vitthal Bingi, Associate Professor, Mathematics Department, St. Xavier's College, Mumbai.
4. Pof. Dr. Shaikh Sadikali, Professor and Head Department of Mathematics, Maulana Azad College of Arts, Science and Commerce, Aurangabad.
5. Dr. Rajeev Sapre, Ex. Associate Professor and Head of Mathematics Department, Gogate Joglekar College, Ratnagiri.
6. Mr. Dhananjay M Kshirsagar Assistant Professor, ACS College, Lanja.
7. Miss Gayatri Joshi Assistant Professor, ASP College, Devrukh.
8. Mr. Ramesh Patil Finolex Industry, Ratnagiri.
9. Mr. Uday B. Bhatye Assistant Professor, ASP College, Devrukh.
10. Mr. Akshay Pabye Alumni ASP College, Devrukh.

At the commencement of the meeting, the chairman of the BoS, Mr. Channayya. Hiremath welcomed the members.

The following matters were discussed in the meeting and, consequently, the resolutions were passed as per the Agenda

Item No. 1: To review the minutes of the meeting held on May 16th January , 2023.

Item No. 2: To finalize the new Course structure of B.Sc. (Mathematics) Programme under NEP.

As per the agenda of BOS meeting, Head of department of Mathematics Mr. Channayya. Hiremath presented the new structure of BSc. Mathematics Programme.

Under new structure of BSc, FYBSc(Maths) students will have to study following courses. Also as per NEP the new courses for other faculty students are introduced. Accordingly the new curriculum for these courses is framed.

Semester	Title of the Course	No. of Theory Credits	No. of Practical Credits	No. of Total Credits
Semester I	Minor Subject: Maths-I for FYBSc. Calculus-I	2	0	2
	Minor Subject: Maths-II for FYBSc. Algebra-I	2	0	2
	Generic / Open elective course for basket - Quantitative Aptitude-I	2	0	2
	Generic / Open elective course for basket - Discrete Mathematics for Computer Science	2	0	2
	Vocational Skill Course (VSC) connected to Major - Mathematical Practical Skill for FYBSc(Maths)	0	2	2
	Vocational Skill Course (VSC) connected to Major - Mathematical and Statistical	0	2	2

	Techniques (For FYBCom)			
	Skill Enhancement Course (SEC) for basket - Vedic Mathematics-I (For Arts and Commerce)	0	2	2
	Skill Enhancement Course (SEC) for basket - Mathematical Practical Skill (For Science)	0	4	4
Semester II	Minor Subject: Maths-I for FYBSc. Calculus-II	2	0	2
	Minor Subject: Maths-II for FYBSc. Algebra-II	2	0	2
	Generic / Open elective course for basket - Quantitative Aptitude-II	2	0	2
	Generic / Open elective course for basket - Descriptive Statistics and Introduction to Probability	2	0	2
	Vocational Skill Course (VSC) connected to Major - Mathematical Practical Skill for FYBSc(Maths)	0	2	2
	Vocational Skill Course (VSC) connected to Major - Mathematical and Statistical Techniques (For FYBCom)	0	2	2
	Skill Enhancement Course (SEC) for basket - Vedic Mathematics-I (For Arts and Commerce)	0	2	2
	Skill Enhancement Course (SEC) for basket - Mathematical Practical Skill (For Science)	0	4	4

Resolution: It is resolved unanimously that the new structure for BSc (Mathematics) programme under NEP designed by the BoS were accepted.

Proposed by Mr. Channayya. Hiremath

Seconded by Dr. Thakar Sarita

Item No. 3: To frame and finalize the syllabus for the minor subjects Maths Paper-I and II for FYBsc and Vocational Skill course(VSC) Mathematical and Statistical Techniques for FYBCom.

Mr. Channayya. Hiremath presented the syllabus of all Minor subjects(Maths-I and II for FYBSc.), Open Electives, Skill Enhancement Course (SEC), Vocational Skill Courses (VSC) related to our core subject Mathematics.

1) Minor - Maths I & II for FYBSc Semester I & II and VSC for FYBCom

In new programme structure of BSc, Mathematics will be as minor course from semester I. Hence rough draft of syllabus of BSc., Mathematics for Semester I and II was framed and sent to all BoS members. All the suggestions given by them are incorporated and syllabi are finalized.

2) Earlier, we have prepared the rough draft of syllabus of Vocational Skill Courses (VSC) was prepared and emailed to all BoS members. Mr. Dhanjay Kshirsagar pointed out that now this VSC- Mathematical and Statistical Techniques (For FYBCom) is a two credit course, so put Mathematical techniques for one semester and Statistical techniques for other semester with only three modules included in each semester. All the suggestions given by them are incorporated and syllabi are finalized.

Resolution: It is resolved unanimously that the revised syllabi of Minor subjects(Maths-I and II for FYBSc.), Vocational Skill Courses (VSC) designed by the BoS were accepted.

Proposed by Mr. Channayya. Hiremath

Seconded by Dr.Ashok Vitthal Bingi

Item No. 4: To frame and finalize the syllabus for the Skill Enhancement Course (SEC) - Vedic Mathematics-I,II for FYBA and FYBCom Semester I and II. and General Elective / Open Elective Course - Quantitative Aptitude for FYBA, FYBCom and FYBSc & Discrete Mathematics- Semester I and Descriptive Statistics and Introduction to Probability -Semester II for FYBSc Computer Science.

Miss. Gayatri Joshi presented the following syllabi Open Electives and Skill Enhancement Course (SEC), and to be introduced during academic year 2023-24 for First Year of the degree courses under New Education Policy 2020.

Skill Enhancement Course (SEC) - Vedic Mathematics-I,II for FYBA and FYBCom Semester I and II.

As Vedic Mathematics is one of significant course for the students who prepare for the competitive exams for speedy calculation in their quantitative aptitude Test.

In order to give exposure regarding the importance of Vedic Mathematics, to the students of Social Sciences and Science, this paper is proposed to the first year of the degree course. After the presentation of syllabus, Dr. Rajeev Sapre congratulated to department for having such paper at the introductory level of the degree course and also expressed satisfaction for the content of the syllabus. Dr. Shaikh Sadikali also expressed the satisfaction about the content of this course.

General Elective / Open Elective Course - Quantitative Aptitude for FYBA, FYBCom and FYBSc & Discrete Mathematics- Semester I and . Descriptive Statistics and Introduction to Probability -Semester II for FYBSc Computer Science.

After the presentation of the syllabus, Dr. Thakar Sarita accelerated the discussion by saying that Quantitative Aptitude course is helpful for the students who will appear for competitive exam. It will be also easy for the students. Dr. Ashok Vitthal Bingi appreciated for introducing this course. After the discussion, it was decided to accept the syllabus of Open Elective.

Resolution: It is resolved unanimously that the newly designed above syllabi for the first year of the degree program to be introduced from the academic year 2023-24 under NEP should be accepted with the incorporation of the suggestions given by the Board of Studies.

Proposed by Dr. Shaikh Sadikali

Seconded by Dr. Rajeev Sapre,

Item No. 5: To finalize the pattern of Continuous Internal Assessment (CIA)

Mr. C. N. Hiremath, Chairman of the BOS in Mathematics informed about the existing evaluation process and semester pattern as per the ordinances. Based on the recommendations given by the examination committee, Mr. C. N. Hiremath informed that the semester pattern be continued and evaluation/ examination pattern for each subject/courses be 60:40. Forty marks will be allotted for the Continuous Internal Evaluation and 60 marks for the Semester End Examination. Thus, the nature for the Continuous Internal Evaluation system for 30 marks was decided as per the following:

1) Class test: - 10 Marks(30 marks test converted to 10)

2) Tutorials / Home assignments/ :- 10 Marks

Problem solving Seminars / PPTs

Resolution:

It was resolved to accept pattern of Continuous Internal Assessment (CIA) for regular as well as repeater/additional examination.

Proposed by Dr.Ashok Vitthal Bingi

Seconded by Dr. Dr. Rajeev Sapre,

Item No. 6: To finalize the question paper patterns for the term-end examination and repeater / additional examinations

The chairman of the BOS sighted into the external evaluation pattern also. He put forth the pattern of the external examination for 30 marks for all courses with 2 credits.

First conduct the external examination of 60 marks for 2 credit courses and that can be converted to 30 marks. Thus, the nature for the term-end examination for 60 marks was decided as per the following:

Q.No. 1	MCQ Solve any 10 out of 15 (Based on all syllabus)	20 Marks
Q.No. 2 A	Attempt any 1 out of 2 (Based on unit I)	10 marks
Q.No. 2 B	Attempt any 2 out of 4 (Based on unit I)	10 marks
Q.No. 3 A	Attempt any 1 out of 2 (Based on unit II)	10 marks
Q.No. 3 B	Attempt any 2 out of 4 (Based on unit II)	10 marks
	Total	60 marks

The proposed pattern was approved unanimously.

Resolution.:

It was resolved to accept the pattern of the term-end examination for regular as well as repeater/additional examination.

Proposed by Dr. Ashok Bingi

Seconded by Dr. Shaikh Sadikali

Item No. 7: To define the learning outcomes of the courses (course outcomes and program-specific outcomes)

Dr. Sarita Thakkar suggested that objectives and COs of the courses should be reflected on the website through the syllabus. In addition to the term-end examination, the online test may be conducted with the view to assess the learning outcomes after the successful completion of the syllabus.

Resolution:

It was resolved to accept the objectives and COs of the courses through the syllabus. Term-end examination should be conducted with the view to assess the learning outcomes after the successful completion of the syllabus.

Proposed by Dr. Ashok Bingi

Seconded by Dr. Sarita Thakar

Item No. 8: To frame syllabus of Bridge course for F. Y. B. Sc. Mathematics and Maths and Stat. for F. Y. B. Com. Class

Resolution:

It is resolved unanimously that the syllabus of the bridge course for FYBSc. and FYBCom. was discussed and finalized.

Item No. 9: Any other subject with the permission of the Chairman.

No other matters were discussed and the meeting concluded with the vote of thanks by Mr. Hiremath.

The meeting ended at 12:30 pm.
