



Anekant Education Society's

**TuljaramChaturchand College  
of Arts, Science, Commerce, Baramati**

(Autonomous)

**DEPARTMENT OF MICROBIOLOGY**

(Faculty of Science and Technology)

**Minutes of Board of Studies Meeting No.3**

**Date of Meeting: 15/04/2021**

**Venue: Department of Microbiology**

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April, 2021

Anekant Education Society's  
Tuljaram Chaturchand College, Baramati  
Department of Microbiology

NOTICE

Date: - 05/04/2021

An Online meeting of BOS members of Microbiology is scheduled on 15<sup>th</sup> April 2021 at 11.30 onwards. All BOS members are requested to attend the meeting.

*The agenda of meeting is as follows.*

1. To confirm the minutes of the previous meeting held on 15/05/2020.
2. To design the syllabus for T. Y. B.Sc. class (2019 Pattern).
3. To discuss and incorporate the relevant feedbacks of the stakeholders (Students, Teachers, Parents, alumni, and employers) in the curriculum.
4. Any other matter with the permission of the chair.

*Yours faithfully*

  
Dr. S. T. Pawar  
Chairman BOS in Microbiology.

Anekant Education Society's  
Tuljaram Chaturchand College, Baramati  
(Autonomous)

Department of Microbiology

**AGENDA OF THE MEETING**

The agenda of the meeting included the following subjects:

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**List of Members Present for the BOS Meeting**

The following internal and external BOS member's has attended the Board of Studies (Microbiology) meeting held on 15<sup>th</sup> April, 2021.

Sr.No.	Name of Member	Designation
1.	<b>Dr. Sunil Pawar</b> Associate Professor, Department of Microbiology, T. C. College, Baramati.	Chairman
2.	<b>Dr. Milind Gajbhiye</b> Associate Professor, Department of Microbiology, T. C. College, Baramati.	Member
3.	<b>Dr. Mrs. Yogini Mulay</b> Associate Professor, Department of Microbiology, T. C. College, Baramati.	Member
4.	<b>Mr. Dhaval Doshi</b> Assistant Professor, Department of Microbiology, T. C. College, Baramati.	Member
5.	<b>Ms. Komal Jagtap</b> Assistant Professor, Department of Microbiology, T. C. College, Baramati.	Member
6.	<b>Ms. Sumaiya Mulani</b> Assistant Professor, Department of Microbiology, T. C. College, Baramati.	Member
7.	<b>Ms. Sheetal Owl</b> Assistant Professor, Department of Microbiology, T. C. College, Baramati.	Member
8.	<b>Mr. Avinash Kalumbe</b> Assistant Professor, Department of Microbiology, T. C. College, Baramati.	Member

## MINUTES OF THE MEETING

Concerning the Notice dated 05/04/2021, issued by the college, the meeting of Board of Studies in Microbiology was held on 15<sup>th</sup> April, 2021 at 11:30 am in the Department of Microbiology, T. C. College, Baramati. The meeting was conducted adhering to the guidelines and protocols set by the college. This meeting was conducted through online mode using Google meet. Dr. Sunil Pawar, Chairman of the BoS in Microbiology, welcomed all the members followed by introductory words considering the objectives of the meeting.

The issues concerning the agenda of the meeting were discussed considering the suggestions received through online mode from Dr. Pravin Puranik (Professor, School of Life Sciences, North Maharashtra University, Jalgaon; Expert from other University), Dr. Rajashree Patwardhan (Associate Professor, H.V. Desai College, Pune) and Mr. Vipul Nilkanth. The details of agenda-wise discussion of the meeting are shown below.

### **1. To confirm the minutes of the BOS meeting held on 15<sup>th</sup> May 2020.**

Dr. M. H. Gajbhiye read the minutes of the BOS meeting held on 15<sup>th</sup> May 2020 and put forward to the BOS members for the approval.

**Resolution No. 1:** The minutes of the previous Board of Studies meeting were approved and confirmed.

### **2. To design the syllabus for T. Y. B. Sc. Sem-V(2019 Pattern).**

The basic draft of syllabus of T.Y.BSc Sem-V- MICRO: 3501: Medical Microbiology, MICRO: 3502 Genetics and Molecular Biology I, MICRO: 3503 Enzymology, MICRO 3504 Immunology-I, Micro: 3505, Fermentation Technology-I, MICRO: 3506 Food and Dairy Microbiology and Micro: 3507, Practical Course – I, Applied Microbiology- Micro:3508, Practical Course-II-Biochemistry, Micro:3509, Practical course-III – Clinical Microbiology was discussed and prepared by Dr.S.T.Pawar, Dr.Y.R.Mulay, Dr.M.H.Gajbhiye, Miss.S.P.Owal. This preliminary draft. This syllabus was sent by E-mail to all the members of BoS, fifteen days before the scheduled BoS meeting.

#### Suggestions and comments on the T. Y. B. Sc. Microbiology Syllabus

By Dr. Rajashree Patwardhan

1. References should be incorporated in all T. Y. B.Sc. theory and practical papers.
2. Proper formatting is required for all the papers.
3. Overall syllabus is good. The core content of each paper is strong and complete.
4. Observations/ suggestions regarding some papers are as follows

Paper Code: MICRO-3506 Paper: Theory Paper Title: Food and Dairy Microbiology

1. Do not include definition of food in sensory characters of food

Sensory characters of food-

□ Definition of food,

Paper Code: MICRO 3504 Paper: IV; Title: Immunology – I

Primary lymphoid organs (Thymus and Bursa):

1. Instead of Bursa which is there in birds, you can add Bone marrow which is a primary lymphoid organ in humans.

Organs of immune system:

1. Mucous associated lymphoid tissue.

It should be mucosa associated lymphoid tissue

Concepts and factors affecting Immunogenicity; Spelling mistake

It should be Immunogenicity.

Transplantation and Immunity

1. You can add Transplantation Immunology instead of Transplantation and Immunity

Paper Code: MICRO 3507 Paper: Practical Course – I, Title: Applied Microbiology – I

Tests for Milk and Dairy products

1. Direct Microscopic Count: Spelling mistake

By Mr. Vipul Nilkanth

Paper Code: MICRO:3501

Paper Title: MEDICAL MICROBIOLOGY

Topic I: A sub-topic on Skin diseases caused by microbial pathogens may be included.

Topic II: A brief overview of the epidemiological monitoring organisations (such as National Institute of Virology and epidemiological bodies of other diseases), and their operations/roles in monitoring and control of infectious diseases may be included.

Micro:3502, Genetics and Molecular Biology I

An introduction to the topic of CRISPR-CAS gene editing mechanism/bacterial genetic defence mechanism be added to the syllabus. Micro: 3503, Enzymology

The concept of enzyme based 'biosensor devices' and their industrial and diagnostic applications are added to the syllabus

Micro: 3504, Immunology I: A sub-topic on cytokines may be added to the syllabus.

Micro: 3505, Fermentation Technology-I

The contents of the syllabus cover most of the important topics and seem adequate.

Micro: 3506, Food and Dairy Microbiology

The contents of the syllabus cover most of the important topics and seem adequate.

Micro: 3507, Applied Microbiology-I

The contents of the syllabus cover most of the important topics and seem adequate.

Micro: 3509, Clinical Microbiology

The topic of handling and methods for safe disposal of biomedical/clinical waste materials (for e.g. by incineration) be added to the syllabus.

By Dr. Puranik P. R.

I have gone through the syllabi sent by you. I need to appreciate the faculty involved in this process that they have given justice and logically prepared the syllabi.

i) Micro:3501, Medical Microbiology

ii) Micro: 3502, Genetics and Molecular Biology- I

iii) Micro:3503, Enzymology

- iv) Micro:3504, Immunology-I  
 v) Micro:3505, Fermentation Technology -I  
 vi) Micro:3506, Food and Dairy Microbiology  
 vii) Micro:3507, Practical Course - I, Applied Microbiology-I  
 viii) Micro:3508, Practical Course - II,  
 ix) Micro:3509, Practical Course - III, Clinical Microbiology

The content of syllabi is appropriate as per the respective title of paper. I anticipate that the syllabi of various papers will be compiled and edited maintaining the uniform formatting in a single file. Certain spellings errors can be corrected. As a member of 'Board of Studies' in Microbiology at T.C. College, Baramati I approve the content of syllabi and recommend for its implementation.

All the BoS members discussed the syllabus throughout and approved it after the inclusion of appropriate comments. Also, the students' feedback was collected, and appropriate suggestions were incorporated in the syllabus

The syllabus was discussed meticulously and the curriculum of the following courses was finalized as shown below.

Class	Pattern	Semester	Course Code	Course Title	Course Type	Number of Credits
T.Y.B.Sc.	2019	V	MICRO3501	Medical Microbiology I	Theory	3
T.Y.B.Sc.	2019	V	MICRO3502	Genetics and Molecular Biology I	Theory	3
T.Y.B.Sc.	2019	V	MICRO3503	Enzymology	Theory	3
T.Y.B.Sc.	2019	V	MICRO 3504	Immunology-I	Theory	3
T.Y.B.Sc.	2019	V	MICRO3505	Fermentation Technology-I	Theory	3
T.Y.B.Sc.	2019	V	MICRO3506	Food and Dairy Microbiology and	Theory	3
T.Y.B.Sc.	2019	V	MICRO3507	Applied Microbiology	Practical	2
T.Y.B.Sc.	2019	V	MICRO3508	Biochemistry	Practical	2
T.Y.B.Sc.	2019	V	MICRO3509	Clinical Microbiology	Practical	2
T.Y.B.Sc.	2019	V	Certificate course			2
						Total= 26

All the BoS members discussed the syllabus throughout and approved it after the inclusion of appropriate comments. Also, the students' feedback was collected, and appropriate suggestions were incorporated in the syllabus

**Resolution No. 2:** The syllabus and academic framework of TYBScSem I (2019 Pattern) has been unanimously approved by all members of the BOS.

**3. To discuss and incorporate the relevant feedbacks of the stakeholders (Students, Teachers, Parents, alumni, and employers) in the curriculum.**

**From Student:** The inclusion of a diverse range of subjects, covering Medical Microbiology, Genetics, Enzymology, Immunology, and Applied Microbiology. The addition of a Certificate course could be seen as an opportunity to gain specialized skills.

**From Teacher:** Teachers found the variety of theoretical and practical courses beneficial for comprehensive learning. The inclusion of a Certificate course might be seen as a positive addition, allowing for specialization.

**From Parent:** Parents appreciated the broad spectrum of microbiology topics covered, potentially preparing students for a variety of career paths.

**From Alumni:** Alumni appreciated the inclusion of a Certificate course, providing students with specialized skills that could enhance employability. The practical courses, such as Clinical Microbiology, might be seen as valuable real-world preparation.

**From Employer:** The practical skills gained through courses like Applied Microbiology and Clinical Microbiology.

**Resolution No.3:** Feedback was collected by the entire stakeholder & was incorporated in the syllabus.

The meeting of BOS concluded with the vote of thanks by Prof. M. H. Gajbhiye.



**Chairman**  
Board of Studies

**HEAD**

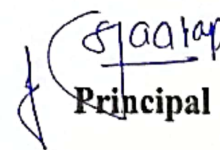
**Department of Microbiology**  
**Tuljaram Chaturchand College**  
**Baramati, Dist. Poona**



**IQAC**  
**Coordinator**

**Coordinator**

**Internal Quality Assurance Cell**  
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**Principal**

**Principal**

**Tuljaram Chaturchand College**  
**Baramati**