



Pune District Education Association's  
**Annasaheb Magar Mahavidyalaya**  
**Hadapsar, Pune- 411028**

Affiliated to Savitribai Phule Pune University, Pune



**Self Study Report: 2024 (4<sup>th</sup> Cycle)**



**Criterion - 1**  
**Curricular Aspects**

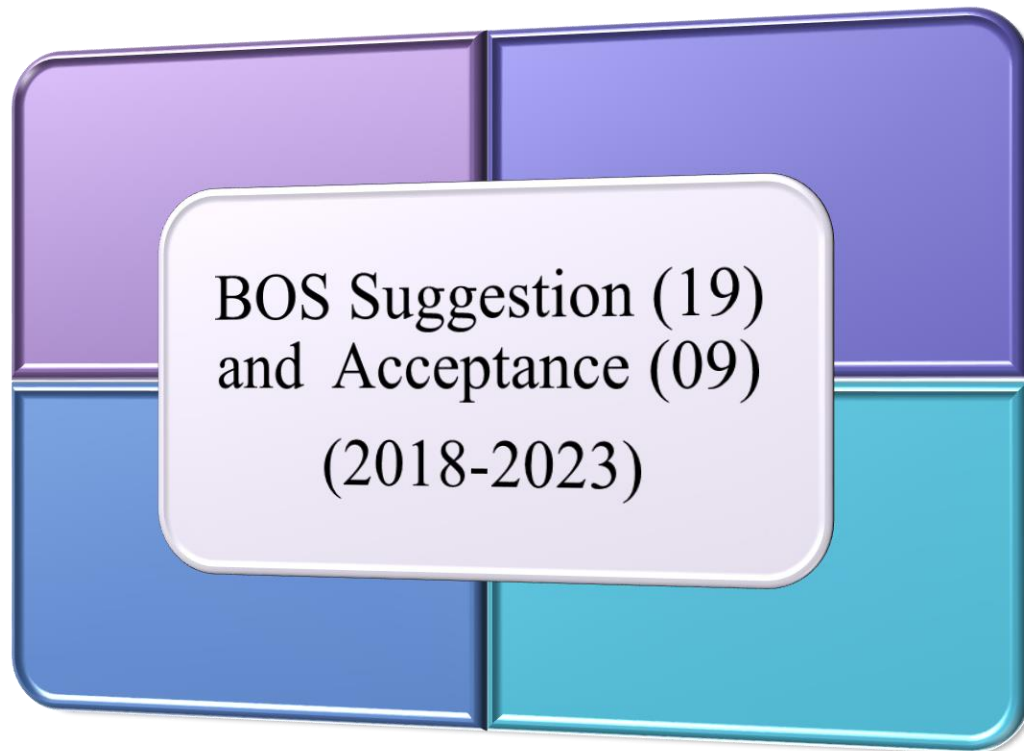
**Key Indicator – 1.1 Curricular Planning and Implementation**

**Metric: 1.1.1(QIM)**

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment




Submitted to  
**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL BENGALURU**



## BOS Suggestions: Marathi Department (2022-23)

(Dr. Sasane Pravin, Dr. Zagade Nana & Dr. Sonawale vandana)



मराठी विभाग  
अण्णासाहेब मागार महाविद्यालय, हदपसर, पुणे-२८  
दिनांक: २९ ऑगस्ट २०२३

प्रति,  
शा. अध्यक्ष व सदस्ये,  
मराठी अभ्यास मंडळ,  
सावित्रीबाई फुले पुणे विद्यापीठ, पुणे

**विषय: मराठी विषयाच्या बी.ए. (यु.जी.) व एम. ए. (पी.जी.) अभ्यासक्रम रचनेसाठी सूचना करणे बाबत...**

सहोदय,

सर्वात विषयानुसार आपणास कळविण्यात येत आहे की, नवीन शैक्षणिक धोरण २०२० नुसार मराठी विषयाच्या बी.ए. (यु.जी.) व एम. ए. (पी.जी.) अभ्यासक्रमाची रचना करताना विद्यार्थी हित लक्षात घेऊन, विद्यार्थ्यांना रोजगाराच्या संधी उपलब्ध व्हाव्यात वा बाबी लक्षात घेऊन आम्ही आपणास काही सूचना करत आहोत.

- १) अभ्यासक्रमातून रोजगार निर्मितीसाठी भर द्यावा.
- २) मराठी माहितीतून येणारे मूल्य विद्यार्थ्यांमध्ये रुजविण्यासाठी अभिजात कलाकृती रचण्यात याव्यात.
- ३) विद्यार्थ्यांमध्ये व्यावहारिक भाषिक कौशल्ये विकसित करण्यासाठी अभ्यासक्रमाची रचना करावी.
- ४) मराठी भाषेला अभिजात दर्जा मिळावा यासाठी अभ्यासक्रमातून त्वासंबंधी योजना करावी.

कृपया करील सूचनांचा विचार करून अभ्यासक्रमाची रचना करताना विचारात घ्याव्यात ही विनंती कळवा.

२९/८/२३  
Pravin  
DR. Sandeep V. Sangra  
Chairman  
BOS Marathi  
S.P.U., Pune

आपले विभाग


- १) डॉ. प्रवीण ससाणे (मराठी विभाग प्रमुख)
- २) प्रा. डॉ. नाना झगडे
- ३) डॉ. वंदना सोनवले

## BOS Suggestion: *Botany Department (2022-23)*

(Dr. Shirurkar Dipawali)

5/9/22, 3:57 PM

Gmail - Suggestions for making Botany practical skeleton for SY and TY BSc examinations.

 Gmail

AMM Botany HOD <ammobotany.hod@gmail.com>

**Suggestions for making Botany practical skeleton for SY and TY BSc examinations.**  
1 message

AMM Botany HOD <ammobotany.hod@gmail.com>  
To: balasahebgaykar4@gmail.com








Sat, May 7, 2022 at 3:58 PM


Respected  
Chairman  
BOS (Botany)  
SPPU

I am sending revised SYBSc (Sem. III and IV) and TYBSc (Sem. V and VI) Practical skeleton, Marking skim and key prepared by faculty of Department of Botany, Annasaheb Magar Mahavidyalaya, Hadapsar Pune 28. These are our suggestions for making practical skeleton for SY and TY BSc examinations. Please give me your valuable suggestions regarding the same.

Thanks and Regards,  
Dr. Shirurkar Deepavali D. (Dhavale D. D.)  
Head, Department of Botany  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune 411028  
Thanks and Regards,

7 attachments

-  Sem. III - SYBSc Pract paper skeleton For University.docx  
29K
-  Sem. V - Pract. paper- I- TYBSc For University.docx  
22K
-  Sem. V - Pract. paper- III- TYBSc For University.docx  
25K
-  Sem. IV - SYBSc Pract paper skeleton For University.docx  
28K
-  Sem. V - Pract. paper- II- TYBSc For University.docx  
23K
-  Sem. VI - Pract. paper- I- TYBSc For University.docx  
26K
-  Sem. VI - Pract. paper- II- TYBSc For University.docx  
26K



**BOS Suggestion : Hindi Department (2022-23)****(Dr. Rasal Rajesh)**

  
डॉ. राजेश रसाल  
हिंदी विभागाध्यक्ष  
अण्णासाहेब मगर महविद्यालय,  
हदपसर, पुणे -28

मा. अध्यक्ष  
हिंदी अध्ययन मंडल  
सावित्रीबाई फुले विश्वविद्यालय पुणे

महोदय,

एम्. ए. प्रथम वर्ष और द्वितीय वर्ष का पाठ्यक्रम गठन हो रहा है। आदरणीय महोदय से नम्र निवेदन है, की निम्नलिखित मुद्दों का विचार किया जाए।

- १] पाठ्यक्रम का निर्माण वास्तविकता को देखकर करना चाहिए।
- २] पाठ्यक्रम ऐसा हो जिससे विद्यार्थी भविष्य में रोजगार प्राप्त करे।
- ३] पाठ्यक्रम में कंप्यूटर तकनीक के बारे व्यापक जानकारी सम्मिलित करे।
- ४] पाठ्यक्रम में कौशल्य विकास के अवसर होने चाहिए।





कृपया पाठ्यक्रम का गठन करते समय उपर्युक्त मुद्दों का विचार हो वही आपसे अनुरोध है।

धन्यवाद।

4/1/23  
16/9/23





## BOS Suggestion : Computer Science Department (2021-22)

(Prof. Gadekar M.J.)

Managing Trustee	Order No. : AMMH / 2021-22 / CS / 63	Date : 8/4/22
 <p style="text-align: center;">Pune District Education Association's <b>ANNASHEB MAGAR MAHAVIDYALAYA</b></p> <p style="text-align: center;">Hadapsar, Pune - 411 028 ☎ 020 - 2699 0376 Fax. : 020 - 2699 0353</p> <p style="text-align: center;">E-mail : pdeas_aamm@yahoo.co.in • Website : www.amc.pdesapune.org</p> <p style="text-align: center;">Affiliated to Savitribai Phule Pune University • Is No. : PUIPNIASC02B1071 • Jr.Col.No. 11.15.005 (Mah.)</p> <p style="text-align: center;">• Re-Accredited by NAAC at 'A' Grade • Best College Award by Savitribai Phule Pune University</p> <p>President <b>Ajit Pawar</b></p> <p>Vice President <b>Jayshree Ghoshale</b></p> <p>Gen. Secretary <b>Adv. Sandeep Kadam</b> Senior Member Savitribai Phule University, Pune</p> <p>Treasurer <b>Adv. Mohammad Deshmukh</b></p> <p>Dy. Secretary <b>L.M. Pawar</b></p> <p>Principal <b>Dr. Parodi Shilpa</b></p>	<p><b>To</b> The Chairman Board of Studies in Computer Science SPPU Pune -411007.</p> <p><b>Subject:</b> Suggestions for T.Y.B.Sc.(Computer Science) Syllabus for CBCS pattern.</p> <p>Respected Sir,</p> <p>As the new syllabus for T.Y.B.Sc.(C.S.) CBCS pattern was implemented from 2021-22, I have some suggestions to be considered while designing the new syllabus for Java, Adv. Java, Software Testing tools.</p> <ol style="list-style-type: none"> <li>1. Total number of lectures allocated to Java, Adv. Java, Software Testing tools are not sufficient.</li> <li>2. Java Applet should be included in the syllabus.</li> </ol> <p>Please do the needful.</p> <p style="text-align: center;"> Prof. Gadekar M.J.</p> <p style="text-align: center;">o/c</p> <p style="text-align: right;"> Principal PRINCIPAL Annasaheb Magar Mahavidyalaya Hadapsar, Pune - 411 028</p> <p style="text-align: right;"></p>	


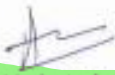


## BOS Suggestion : Computer Science Department (2021-22)

(Prof. Kadlag Vinita B.)

Managing Trustee	Outward No. : AMM/ 2021-22 /CS /63	Date: 8/4/22.
 <p style="text-align: center;">Pune District Education Association's <b>ANNASAHEB MAGAR MAHAVIDYALAYA</b></p> <p style="text-align: center;">Hadapsar, Pune - 411 028 ☎ 020 - 2699 0376 Fax : 020 - 2699 0353</p> <p style="text-align: center;">E-mail : pdeas_amm@yahoo.co.in • Website : www.amm.pdeapune.org</p> <p style="text-align: center;">Affiliated to Savitribai Phule Pune University • U No : PUPN/ASC/029/1971 • Jr.Coll.No. 11/15/005 (Meh.)</p> <p style="text-align: center;">• Re-Accredited by NAAC at 'A' Grade • Best College Award by Savitribai Phule Pune University</p> <p>President <b>Ajit Pawar</b></p> <p>Vice President <b>Jyotiraj Ghadge</b></p> <p>Min. Secretary <b>Adv. Sandeep Kadam</b> Serving Member Savitribai Phule Pune University, Pune</p> <p>Treasurer <b>Adv. Mohammad Deshmukh</b></p> <p>Dy. Secretary <b>L. M. Pawar</b></p> <p>Principal <b>Dr. Pandit Shekhar</b></p>	<p><b>To</b> The Chairman Board of Studies in Computer Science SPPU Pune -411007.</p> <p><b>Subject:</b> Suggestions for T.Y.B.Sc.(Computer Science) Syllabus for CBCS pattern.</p> <p>Respected Sir,</p> <p>As the new syllabus for T.Y.B.Sc.(C.S.) CBCS pattern was implemented from 2021-22. I have some suggestions to be considered while designing the new syllabus for Block Chain technology, Software Testing tools.</p> <ol style="list-style-type: none"> <li>1. Many topics for Block Chain Technology subject are repeated,</li> <li>2. In Lab course, Solidity language required more practical sessions.</li> </ol> <p>Please do the needful.</p> <p style="text-align: center;"> Prof. Kadlag Vinita B.</p> <p style="text-align: right;"> Principal Annasaheb Magar Mahavidyalaya Hadapsar, Pune - 411 028.</p> <p style="text-align: right;"></p> <p style="text-align: left;">o/c</p>	

## BOS Suggestion : Computer Science Department (2021-22)





(Prof. Shitole Archana N.)

 Pune District Education Association's <b>ANNA SAHEB MAGAR MAHAVIDYALAYA</b> Hadapsar, Pune - 411 028 ☎ 020 - 2699 0376 Fax : 020 - 2699 0353 E-mail : pmaema_amm@yahoo.co.in • Website : www.ama.pdeapune.org Affiliated to Savitribai Phule Pune University • U No : PUPN/ASC/029/1971 • Jr.Col.No. 11.15.006 (Mah.) • Re-Accredited by NAAC at 'A' Grade • Best College Award by Savitribai Phule Pune University	
Managing Trustee	Outward No. : AMMH / 2021-22 / CS / 63 Date : 8/4/22
President <b>Ajit Pawar</b>  Vice President Jyoti Chadge  Hon. Secretary Adv. Sunilraj Hazam Senior Member Savitribai Phule Pune University, Pune  Treasurer Adv. Mohanraj Deshmukh  Dy. Secretary L. M. Pawar  Principal Dr. Pandit Shekha	<p><b>To</b> The Chairman Board of Studies in Computer Science SPPU Pune -411007</p> <p><b>Subject: Suggestions for T.Y.B.Sc.(Computer Science) Syllabus for CBCS pattern.</b></p> <p>Respected Sir,</p> <p>As the new syllabus for T.Y.B.Sc.(CS) CBCS pattern was implemented from 2021-22. I have some suggestions to be considered while designing the same.</p> <ol style="list-style-type: none"> <li>1. The Field Project should be included for second semester Lab course.</li> <li>2. Work book of Lab course should have maximum Question for practice</li> </ol> <p>Please do the needful.</p> <p style="text-align: center;">                   Prof. Shitole Archana N.             </p> <p style="text-align: right;">                   Principal  <b>PRINCIPAL</b>                  Annasaheb Magar Mahavidyalaya                  Hadapsar, Pune - 411 028             </p> <p style="text-align: right;">  </p> <p style="text-align: left;">o/c</p>



## BOS Suggestion : Computer Science Department (2021-22)

(Dr. Nimbalkar A.B.)

 Pune District Education Association's <b>ANNA SAHEB MAGAR MAHAVIDYALAYA</b> Hadapsar, Pune - 411 028   Phone: 020 - 2899 0376 Fax: 020 - 2899 0353 Email: plasma_amm@yahoo.co.in   Website: www.amm.pdeapune.org Affiliated to Savitribai Phule Pune University   IS No: PU/PN/ASC/029/1671   Jr. Coll. No. 11.15.005 (Mah.) Re-Accredited by NAAC at 'A' Grade   Best College Award by Savitribai Phule Pune University	
Managing Trustee	Outward No.: AMMH / 2021-22 / CS / 63
	Date: 8 / 4 / 22.
<p>President <b>Ajit Pawar</b></p> <p>Vice President <b>Jendra Chitoge</b></p> <p>Gen. Secretary <b>Adv. Sandeep Kadam</b> Savitribai Phule Pune University, Pune</p> <p>Treasurer <b>Adv. Mohanrao Deshmukh</b></p> <p>Dr. Secretary <b>L. M. Pawar</b></p> <p>Principal <b>Dr. Pandit Shekha</b></p>	<p><b>To</b> The Chairman Board of Studies in Computer Science SPPU Pune - 411007</p> <p><b>Subject:</b> Suggestions for T.Y.BSc.(Computer Science) Syllabus for CBCS pattern.</p> <p>Respected Sir,</p> <p>As the new syllabus for T.Y.BSc.(CS) CBCS pattern that was implemented from 2021-22. I have some suggestions regarding Web Technology I and Web Technology II courses. They are as follows:</p> <ol style="list-style-type: none"> <li>1. Students are get Less time for practical's, as Data science practicals are in same Lab course. Two separate Lab should be conducted.</li> <li>2. The Web Hosting practicals must be included in Lab course.</li> </ol> <p>Please do the needful.</p> <p style="text-align: center;">   <b>Dr. A. B. Nimbalkar</b> </p> <p style="text-align: right;">                   Principal  <b>PRINCIPAL</b>                  Annasaheb Magar Mahavidyalaya                  Hadapsar, Pune - 411 028             </p> <p style="text-align: center;">o/c</p> <div style="text-align: right;">  </div>


## BOS Suggestion Accepted : Computer Science Department (2021-22)

(Dr. Nimbalkar A.B.)

Savitribai Phule Pune University T.Y.B.Sc. (Computer Science) - Sem - V Course Type:DSEC – II      Course Code: CS - 353 Course Title : Web Technologies - I		
Teaching Scheme 03 Lect/ week	No. of Credits 2	Examination Scheme IE : 15 marks UE: 35 marks
<b>Prerequisites</b> HTML basics for form designing		
<b>Course Objectives</b> <ul style="list-style-type: none"> <li>To Design dynamic and interactive Web pages.</li> <li>To Learn Core-PHP, Server Side Scripting Language</li> <li>To Learn PHP-Database handling</li> </ul>		
<b>Course Outcomes</b> On completion of the course, student will be able to- <ul style="list-style-type: none"> <li>Understand how to develop dynamic and interactive Web Page</li> </ul>		
<b>Chapter 1</b>	<b>Introduction to HTML, HTTP and PHP</b>	<b>10 Lects</b>
Overview of HTML and Basic Tags , Creating Forms ,Tables, HTML5 Semantics. CSS basic concept ,Three ways to use CSS, Box Model, Navigation Bar . Introduction to Web server and Web browser . HTTP basics . PHP Basics: Use of PHP, Lexical structure, Language basics .		
<b>Chapter 2</b>	<b>Function and String</b>	<b>8 Lects</b>
Defining and calling a function Default parameters Variable parameters, Missing parameters Variable function, Anonymous function Types of strings in PHP Printing functions Encoding and escaping Comparing strings Manipulating and searching strings Regular expressions		
<b>Chapter 3</b>	<b>Arrays</b>	<b>6 Lectures</b>
Indexed Vs Associative arrays Identifying elements of an array Storing data in arrays Multidimensional arrays 3.4Extracting multiple values Converting between arrays and variables Traversing arrays Sorting Action on entire array		

## BOS Suggestion : Microbiology Department (2021-22)

(Prof. Deshpande M.V., Dr. Khisti U.V., Dr. Shinde S.R., Waghmode M.S., Dhargar U.S.)



Pune District Education Association's

### ANNA SAHEB MAGAR MAHAVIDYALAYA

Hadapsar, Pune - 411 028 • 020 - 2899 8376 Fax. : 020 - 2899 8383

E-mail : pdeasr\_anna@pdeasr.org • Website : www.anna.pune.gov.org

Allotted to Savitribai Phule Pune University • U No : PU/ANASC/001/1971 • J. Col No. 11-15 (MS) (Mah.)

• Re-Accredited by NAAC at 'A' Grade • Best College Award by Savitribai Phule Pune University

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Outward No. : AMB/1/2024/50/2024/A Date : 20/11/2024

Managing Trustee

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**Ajit Pawar**

Vice President  
**Rajendra Ghajge**

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**Asst. Sanjeev Kadam**  
Gen. Sec. Member  
Savitribai Phule Pune University, Pune

Treasurer  
**Asst. Mahendra Deshmukh**

De. Secretary  
**L. M. Pawar**

Principal  
**Dr. Pankaj Shelke**

To,

The Chairman,  
Board of Studies in Microbiology,  
Savitribai Phule Pune University, Pune.

Subject: Appointing the staff for T.Y.B.Sc microbiology syllabus restructuring...

Dear Madam / Sir,


Following staff members have provided following suggestions for restructuring of T. Y. B.Sc. Choice based Credit System 2019 syllabus.

Sr. No.	Name of the Teacher	Course title
1	Asso. Prof. M.V. Deshpande	Suggestion to add Molecular techniques used in RDT to Genetics and Molecular biology paper. Isolation of PGPR Vesicular Arbuscular Mycorrhiza (VAM) to be included in Practical course III
2	Asso. Prof. Dr. U. V. Khisti	To add the visualization of antigen antibody complexes to Immunology paper In Marine microbiology skilled based course characteristic of marine water to be included
3	Asso. Prof. Dr. S. R. Shinde	Suggestion to add Probiotics; Lactobacillus sporogenes to Fermentation technology paper To include Immobilization of Amylase using calcium alginate to Practical Course based on metabolism
4	Asst. Prof. M. S. Waghmode	Solid Waste management and hazardous waste to be included in skill based course
5	Asst. Prof. U. S. Dhargar	Microbiological quality of indigenous dairy products to be added to practical course of skilled based course dairy Microbiology

Kindly do the needful.

Thanking you,  
*(Signature)*  
Prof. Neha Nitin Patil  
Member, Board of Studies in Microbiology  
SPPC

Yours Sincerely,  
*(Signature)*  
Dr. Pankaj N. Shelke  
Principal  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-411028.



**BOS Suggestion: Physics Department (2021-22)****(Dr. Joshi R.P.)**

Date:-10/11/2021

To  
**Dr. Pandit N. Shelke**  
BOS Member  
Savitribai Phule Pune University, Pune

**Subject:- Suggestion in T. Y. B.Sc. Physics Practical Course PHY -357: Laboratory Course 3B**

Respected Sir,

As per the syllabus of TYBSC Physics, it is found that X-ray diffraction practical is introduced, however the most of the college does not have the facility of XRD Set up. This practical is conducted theoretically by the colleges.

So I request you instead of X-ray diffraction practical introduce the determination of the bandgap by using UV-visible spectroscopy which is available in most of the colleges.

Thanking you

Dr. Ramakant P. Joshi

Recd

B.O.S. Member (Physics)

S.P.U. Pune

**BOS Suggestion: Physics Department (2021-22)****(Dr. Mene R.U.)**

Date:-10/11/2021

To  
**Dr. Pandit N. Shelke**  
BOS Member  
Savitribai Phule Pune University, Pune

**Subject:- Suggestion in T. Y. B.Sc. Physics Course PHY-354: Atomic and Molecular Physics (Credit-2)**

Respected Sir,

As per the syllabus of TYBSC Physics **Course PHY-354: Atomic and Molecular Physics (Credit-2)**, it is found that in third chapter Molecular Spectroscopy introductory part is included related to rotational and vibrational spectra for diatomic molecule. This topic already thought in FYBSC (PHY-112-Physics Principle and Application). As per my knowledge for the better understanding of this topic, Experimental part of UV-Visible and IR spectroscopy should be included in this chapter.

Hence it is requested to kindly add UV-Visible and IR spectroscopy in syllabus for conceptual and practical understanding of the students.

Thanking you

Dr. Ravindra U. Mene


Received

B.O.S. Member (Physics)

S.P.U. Pune

## BOS Suggestion Accepted : *Physics Department*

(Dr. Mene R.U.)



**T.Y.B.Sc. (Physics) (Sem-V)**  
**PHY-354: Atomic and Molecular Physics**  
**(Credits-02)**

**Lectures: 36**

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**1: Atomic structure (6 L)**

1. Revision of various atomic models
2. Vector atom model (Concepts of space quantization and electron spin)
3. Pauli Exclusion Principle and electron configuration, Quantum states, Spectral notations of quantum states.
4. Problems

**2: One and Two Valence electron systems (12 L)**

1. Spin-Orbit Interaction (Single valence electron atom), Energy levels of Na-atom, Selection rules, Spectra of sodium atom, Sodium doublet.
2. Spectral terms of two electron atoms, terms for equivalent electrons, LS and JJ-coupling schemes.
3. Singlet-Triplet separations for interaction energy of LS coupling, Lande's interval rule, Spectra of Helium atom.
4. Problems

**3: Zeeman Effect (4 L)**

1. Zeeman Effect
2. Experimental arrangement
3. Normal and anomalous Zeeman Effect
4. Stark effect (Qualitative discussion)
5. Applications of Zeeman effects
6. Problems

**4: Molecular spectroscopy (8 L)**

1. Introduction of molecular spectra and its types
2. Rotational energy levels, Rotational spectra of rigid diatomic molecule
3. Vibrational energy levels
4. Rotational and Vibrational spectra
5. Electronic spectra of molecules
6. Applications of UV-Vis spectroscopy
7. Problems

**5: Raman spectroscopy (6 L)**

1. History of Raman effect, Molecular polarizability
2. Classical theory and Quantum theory of Raman Effect
3. Characteristics Raman Lines and Applications of Raman spectroscopy
4. Problems

**Reference books:**

- 1) R. Murugesan, Er. K. Sivaprasath, Modern Physics, S. Chand, 2014, Revised edition
- 2) Robert Eiseberg, Robert Resnik, Quantum Physics of Atoms, Molecules, Solids, Nuclei and Particles, Wiley, 2016, 2<sup>nd</sup> edition
- 3) G. Aruldas, Molecular structure and Spectroscopy, PHI, 2015, 2<sup>nd</sup> edition
- 4) Colin Banwell, Elaine McCash, Fundamentals of Molecular Spectroscopy, TMH, 4<sup>th</sup> ed
- 5) Arthur Baiser, Concepts of Modern Physics, McGraw Hill International, 4<sup>th</sup> edition
- 6) White H. E, Introduction to Atomic spectra, McGraw Hill International

**BOS Suggestion: Physics Department (2021-22)****(Dr. Mene R.U.)**

To,

The Chairman/ BOS Member (Physics)

Savitribai Phule Pune University Pune – 411007.

Subject :- Suggestion for T.Y. B. Sc. (Electronics) CBCS pattern syllabus.

Respected Sir,

As per the new syllabus for T.Y. B. Sc. (Physics) CBCS pattern will be implemented from 2021-22. I have some suggestion regarding Electronics course as follows.

1. First Chapter Semiconductor devices please remove repeated portion which included in SYBSC Electronics I. For Ex:- Rectifier Filter, and Power supply
2. More focus should be taken on designing and problem solving approaches for electronic circuits.

Please do the needful.

Dr. R. U. Mene


Principal  
(Dr. P. N. Shelke)  
Bos member (Physics) SPPU

**PRINCIPAL**  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune - 411 028.

## BOS Suggestion : Botany Department (2021-22)

(Dr. Shirurkar Dipawali)

7/16/2021 Gmail - Suggestions regarding FYBSc and SYBSc practicals

 Gmail AMM Botany HOD <ammbotany.hod@gmail.com>

**Suggestions regarding FYBSc and SYBSc practicals**  
1 message

**AMM Botany HOD** <ammbotany.hod@gmail.com> Wed, Jul 14, 2021 at 2:13 PM  
To: balasahebgaykar4@gmail.com


To  
The Chairman,  
BOS Botany, Savitribai Phule Pune University, Pune

Respected Sir,  
According to **FYBSc** revised syllabus (16th June 2020), for Semester II, three new practicals were added. One of the new practical is "**Study of DPD by using suitable plant material**".  
According to **SYBSc** new CBCS syllabus (from 2020), for semester III, one of the practical is "**Determination of Diffusion Pressure Deficit (DPD)**". This experiment is not related to the theory syllabus of SYBSc.

I think both practicals are the same. I think the DPD experiment is related to FYBSc theory syllabus. Please guide us regarding the same.

Thanks and Regards,

**Dr. Shirurkar Deepavali D.**  
Head, Department of Botany  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune





## BOS Suggestion : Botany Department (2020-21)

(Dr. Shirurkar Dipawali)

7/16/2021

Yahoo Mail - Re: Regarding FYDSc Botany practical syllabus and question paper



Re: Regarding FYDSc Botany practical syllabus and question paper

From: Balasaheb Gaykar (balasahebgaykar4@gmail.com)

To: ddshirurkar@yahoo.co.in

Date: Thursday, 9 April, 2020, 05:06 pm IST

Dear Madam

I have taken these points in the account and received the same suggestions. So accordingly there will be certain changes.

Thanks for the suggestions

Regards

Prof. (Dr.) Balasaheb M. Gaykar

Professor and Head

Post Graduate Department of Botany,

Ahmednagar College, Ahmednagar, M. S. India 414001

+91-9730204930,

email: [balasahebgaykar4@gmail.com](mailto:balasahebgaykar4@gmail.com)

On Thu, Apr 9, 2020 at 4:52 PM Deepavali Shirurkar <[ddshirurkar@yahoo.co.in](mailto:ddshirurkar@yahoo.co.in)> wrote:

Dr. Gaykar Balasaheb  
Chairman  
BOS, Botany  
SPPU, Pune

Respected sir

1) According to FYBSc practical syllabus (Sem. II) there is a practical entitled Study of comparative account of Dicotyledonous and Monocotyledonous plants. But in practical examination skeleton paper there will be no any question on this topic. Please add any one question on this topic in question paper.

2) In the same semester, it is very difficult to arrange various material which is required for practical like DNA extraction and checking it's purity by 260:280 ratio. So if it is possible please introduce another practical like DPD or Transpiration.

Thanking you

With regards

Dr. Shirurkar Deepavali D.

HOD


Department of Botany

Annasaheb Magar Mahavidyalaya, Hadapsar, Pune 411028

[Sent from Yahoo Mail on Android](#)

## BOS Suggestion : Microbiology Department (2020-21)

(Dr. Patil N.N., Deshpande M.V., Dr. Khisti U.V., Dr. Shinde S.R., Waghmode M.S.,  
Dhangar U.S. )



To

Date: 27<sup>th</sup> January 2021


Prof. Neha Nitin Patil  
Member,  
Board of Studies in Microbiology  
Savitribai Phule Pune University  
Pune-411007

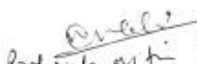
Subject: Suggestions by Staff for T. Y. B. Sc Microbiology Restructuring of Syllabus

Dear Madam

Following staff members have participated in T. Y. B.Sc Choice Based Credit System 2019 syllabus restructuring. The suggestions made by the staff members are as follows:

Sr. No.	Name of teacher	Suggestions
1	Dr. Neha N. Patil	1. Medical Microbiology-to include new microorganisms 2. Agricultural Microbiology-Recent techniques to be included 3. Practical course based on Medical Microbiology- to include prevalent pathogens
2	Mr. M. V. Deshpande	1. Genetics and Molecular biology- new techniques to be included 2. Practical course based on Fermentation and food Microbiology to be divided into two sections
3	Dr. Ujwala V. Khisti	1. Immunology- new vaccines to be added 2. marine Microbiology-completely new course to be added
4	Dr. Shubhangi R. Shinde	1. fermentation technology- to include COVID vaccine preparation 2. Practical course based on metabolism- problem based questions to be introduced
5	Ms. Meghmala S. Waghmode	1. Waste Management- New course to be added 2. Nanotechnology -New course to be added
6	Ms. Urmila S. Dhangar	1. Dairy Microbiology-to include more types of dairy products 2. Food Microbiology- to include methods of food preservation

for   
Department of Microbiology  
PDEA's Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411007

  
Prof. Neha Nitin Patil  
Member, BOS in Microbiology  
SPPU, Pune-411007








## BOS Suggestion Accepted : *Microbiology Department*

(Dr. Patil N.N., Deshpande M.V., Dr. Khisti U.V., Dr. Shinde S.R., Waghmode M.S.,  
Dhangar U.S. )

CBCS: 2024-25 [NEP 2020]		F. Y. B.Sc.- Microbiology
<b>I</b>	(Aristotle's notion about spontaneous generation, Francesco Redi's experiment, Louis Pasteur's & Tyndall's experiments)	
	<b>2. Golden Era of Microbiology:</b> Contributions of scientists - Louis Pasteur (Fermentation, Rabies, Pasteurization and Cholera vaccine-fowl cholera experiment), Robert Koch (Koch's Postulates, Germ theory of disease, Tuberculosis and Cholera-isolation and staining techniques of causative agent), Ferdinand Cohn (Endospore discovery), Discovery of viruses (TMV and Bacteriophages), River's postulates	<b>3</b>
	<b>3. Contribution of scientists in the establishment of fields of medical microbiology and immunology:</b> Joseph Lister (Antiseptic surgery), Paul Ehrlich (Chemotherapy), Elie Metchnikoff (Phagocytosis), Edward Jenner (Vaccination) and Alexander Fleming (Penicillin), Selman Waksman (Streptomycin)	<b>2</b>
	<b>4. Contribution of scientists in the establishment of field of soil microbiology:</b> Martinus Beijerinck (Enrichment culture technique, Rhizobium), Sergei Winogradsky (Nitrogen fixation and Chemo-lithotrophy)	<b>2</b>
	<b>5. Modern Era of Microbiology</b> Contribution of Carl Woese in classification based on 16S rRNA, Significance and Application of Human Microbiome, Nano-biotechnology and Space Microbiology	<b>2</b>
	<b>6. Nobel laureates in 'Medicine and Physiology' of 21<sup>st</sup> Century (Project Based Learning):</b> Assignments should be given to student	<b>1</b>
<b>II</b>	<b>7. Types of microorganisms and their differentiating characters –</b> Prokaryotes, eukaryotes, three-domain and five-kingdom systems of classification – • Bacteria (eubacteria and archaeobacteria) • Actinomycetes • Protozoa • Fungi • Algae • Viruses, Viroids and Prions	<b>7</b>
	<b>8. Beneficial and Harmful Effects of Microorganisms:</b> <b>a. Medical Microbiology</b> (Enlist the diseases caused by the various microorganisms, vaccines and antibiotics)	<b>1</b>
	<b>b. Environmental Microbiology</b> (Eutrophication, red tide, sewage treatment, bioremediation)	<b>1</b>
	<b>c. Food and Dairy Microbiology</b> (Food spoilage, food-borne diseases, probiotics and fermented food)	<b>2</b>



**BOS Suggestion : Computer Science Department (2020-21)****(Prof. Jagdale Manisha)**

 <p>Pune District Education Association's  <b>ANNA SAHEB MAGAR MAHAVIDYALAYA</b>          Hadapsar, Pune - 411 028 ☎ 020 - 2699 0376 Fax : 020 - 2699 0353          E-mail : plasma_amm@yahoo.co.in • Website : www.amc.pdeapune.org          Affiliated to Savitribai Phule Pune University • Id No. : PU/PN/ASC/029/1971 • Jr.Coll.No. 11.15.005 (Mah.)          • Re-Accredited by NAAC at 'A' Grade • Best College Award by Savitribai Phule Pune University</p>	
Managing Trustee	Outward No. : AMMH/ 20 20 - 21 / 2897-1 Date : 13/03/2021
<p>President <b>Ajit Pawar</b></p> <p>Vice President  Jendra Ghadge</p> <p>Hon. Secretary Adv. Sandeep Kadam</p> <p>Treasurer Adv. Mohanrao Deshmukh</p> <p>Dy. Secretary  L. M. Pawar</p> <p>Principal Dr. Pandit Shelke</p>	<p><b>To</b> The Chairman Board of Studies in Computer Science SPPU Punc -411007</p> <p><b>Subject: Suggestions for T.Y.BSc.(Computer Science) Syllabus for CBCS pattern.</b></p> <p>Respected Sir,</p> <p>As the new syllabus for T.Y.BSc.(CS) CBCS pattern will be implemented from 2021-22. We have some suggestions regarding networking and software testing course. They are as follows:</p> <ol style="list-style-type: none"> <li>1. More focus should be given on Network security like Firewall, Digital Signatures</li> <li>2. New Software Testing Tools like selenium IDE in detail must considered in electives after considering the availability of the software.</li> <li>3. Implementation of the testing tools should be the choice of College.</li> <li>4. It is observed that open electives are introduced in the syllabus but at UG level considering the volume of students it becomes difficult to implement elective courses. So, it is suggested that it will be better if we offer only one course as SECC in every semester.</li> </ol> <p>Please do the needful.</p> <p> Prof. Jagdale Manisha N</p> <p> Head Department of Computer Sciences Annasaheb Magar Mahavidyalaya Hadapsar, Pune - 411 028</p> <p> PRINCIPAL Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-411028.</p> 

## BOS Suggestion Accepted : Computer Science Department (Prof. Jagdale Manisha)


		(Pg. No 721-723)
6.	The Application Layer	[Lectures 7]
6.1	Domain Name System (DNS) Name Space, Domain, Name Space, Distribution of Name Space, DNS in the Internet, Resolution	Book 2 CH25 (Pg. No 797-809)
6.2	E-MAIL Architecture, User Agent, Message Transfer Agent-SMTP, Message Access Agent-POP3, IMAP4, Web Based Mail	Book 2 CH26 (Pg. No 824-840)
6.3	File Transfer Protocol (FTP) Communication over control connection, Communication over Data Connection, Anonymous FTP	Book 2 CH26 (Pg. No 840-844)
6.4	WWW Architecture, WEB Documents	Book 2 CH27 (Pg. No 851-861)
6.5	HTTP - HTTP Transaction, Persistent and Non persistent Connection, Proxy Server	Book 2 CH27 (Pg. No 861-868)
6.6	Devices- Gateways –Transport & Application Gateways	Book 1 CH4 (Pg. No 328)
7.	Network Security	[Lectures 10]
7.1	Introduction – Security Services- Message-Confidentiality, Integrity, Authentication, Non repudiation. Entity (User)- Authentication.	Book 2 CH31 (Pg. No 961-962)
7.2	Message confidentiality –Confidentiality with Asymmetric-Key Cryptography, Confidentiality with Symmetric-Key Cryptography	Book 2 CH31 (Pg. No 962-964)
7.3	Cryptography Encryption Model, Substitution Cipher and Transposition Cipher (Problems should be covered.)	Book 1 CH8 (Pg. No 724-730)
7.4	Two Fundamental Cryptographic Principles	Book 1 CH8 (Pg. No 735-736)
7.5	Communication Security Firewalls	Book 1 CH8 (Pg. No 776-779)
7.6	Web Security Threats, Secure Naming, DNS Spoofing, Secure DNS, Self Certifying names	Book 1 CH8 (Pg. No 805-813)
7.7	Mobile Code Security Java Applet Security, Activex, JavaScript, Viruses	Book 1 CH8 (Pg. No 816-819)
7.8	Social Issues Privacy, Anonymous Remailers, Freedom of Speech, Steganography, Copyright	Book 1 CH8 (Pg. No 819-828)
<b>Reference Books:</b>		
1. Computer Networks by Andrew Tanenbaum, Pearson Education. [4 <sup>th</sup> Edition]		
2. Data Communication and Networking by Behrouz Forouzan, TATA McGraw Hill. [4 <sup>th</sup>		



## BOS Suggestion : Botany Department (2020-21)

(Dr. Shirurkar Dipawali)

5/9/22, 3:58 PM Gmail - Considering FYBSc revised syllabus suggestion regarding FYBSc Practical skeleton, Sem. II

 Gmail AMM Botany HOD <ammbotany.hod@gmail.com>

**Considering FYBSc revised syllabus suggestion regarding FYBSc Practical skeleton, Sem. II**

1 message

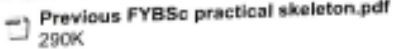
**AMM Botany HOD** <ammbotany.hod@gmail.com> Mon, May 9, 2022 at 3:29 PM  
To: balasahebgsaykar4@gmail.com


Respected Chairman  
BOS Botany

According to revised FYBSc syllabus following practicals are added....  
1. Study of Bentham and Hooker's system of classification outline up to series with example  
2. Study of DPD by using suitable plant sample,  
and  
following practicals are deleted .....  
1. Study of utilization and economic importance of Pteridophytes and Gymnosperms.  
2. DNA extraction using banana / phenol chloroform method or any suitable method and checking purity of DNA by 260:280 ratio.  
By considering above changes it is essential to change previous FYBSc Practical skeleton for sem. II.

Please provide revised FYBSc Practical skeleton for sem. II.  
Previous FYBSc Practical skeleton for sem. II is attached here with.

Thanks and Regards,  
**Head, Department of Botany**  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune 411028

 Previous FYBSc practical skeleton.pdf  
290K



## BOS Suggestion : Botany Department (2020-21)

(Dr. Danai- Tambhale S.D.)

28  
6/3/21  
Date-6

PDEA's  
Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-411028  
Department of Botany


Suggestions to BOS by & communicated through mail to BOS  
by  
Dr. Danai-Tambhale S. D.


Practical No 12. Demonstration of any Three Evidences of Organic Evolution


1. Evidences of organic Evolution from comparative Anatomy & Morphology

1. Homologous Organs:  
2. Analogous Organs:  
In the above practical, experimental evidences were put up of animal examples. I have suggested to include plants examples for Analogous Organs ex: Stipules *Lathyrus aphaca*, Petiole *Acacia auriculifolia* stem branches *Ruscus Asparagus* (The function of leaves is then taken over by other organs like stipules. So that they are analogous amongst them as well as to the leaves.)

3. Vestigial organ:  
4. Connecting Links  
5. Atavism:  
2. Embryological evidences from Embryology  
i. Recapitulation theory/ Biogenetic law  
3. Biogeographical evidences from biogeography  
i. Discontinuous distribution of closely related species  
ii. Restricted distribution

  
Dr. Danai-Tambhale S. D.  
Associate Professor  
Department of Botany  
M. Sc. Ph. D.  
sdt11@yahoo.co.in

  
Dr. Shirurkar D. D.  
Associate Professor  
Department of Botany  
Department of Botany  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-411028.



**BOS Suggestion: *Physics Department (2020-21)***

**(Dr. Joshi R.P.)**



To,

The Chairman/ Bos Member (Physics)

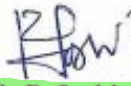
SPPU Pune – 411007.


Subject :- Regarding T.Y. B. Sc. CBCS pattern syllabus.

Respected Sir,

As per the online meeting conducted by Bos member with Physics teacher of SPPU, I would like to suggest to introduce python course in syllabus.

Please do the needful.

  
Dr. R. P. Joshi

  
Principal  
(Dr. P. N. Shelke)  
Bos member (Physics) SPPU  
**PRINCIPAL**  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune - 411 028.