

UNIVERSITY OF KERALA

THIRUVANANTHAPURAM



COURSE STRUCTURE AND SYLLABUS

For

FIRST DEGREE PROGRAMME

IN

BOTANY

UNDER

CHOICE BASED CREDIT- SEMESTER SYSTEM

(w.e.f. 2019 admission onwards)

semester according to the common calendar and questions set up by the University. The Board of Examiners constituted by the University will have the right to make necessary changes in the pattern of practical examination as and when needed with the prior sanction of the Chairman, Board of Studies Botany (Pass). The practicals mentioned in the syllabus under various branches of Botany Core and Complementary Courses should be incorporated in the Practical record.

ELIGIBILITY TO APPEAR FOR PRACTICAL EXAMINATION

Submission of the following

- ✗ Certified and bonafide practical record
- ✗ Certified herbarium sheets
- ✗ Certified field Book
- ✗ Certified Tour Report
- ✗ Project report/Dissertation (certified and bonafide)

PROJECT

Project work/Dissertation is compulsory. Students have to begin the project in the 5th Semester and submit the project report for valuation at the end of 6th Semester. Viva-Voce may be conducted for each student at the time of Project evaluation. Project can be carried out either individually or by a group not exceeding 15 students ensuring direct and active participation of each student in the group. The topics shall either be allotted by the supervising teacher or be selected by the student in consultation with the supervising teacher. The project report/dissertation duly attested by the Supervising teacher and Certified by the Head of the Department, has to be submitted on the day of examination of **Practical - III (Core)**. The project shall be evaluated by an external examiner. The project report/ Dissertation (not less than 30 pages) shall be prepared in Times New Roman font size 12 with 1.5 spacing as per the format given below.

1. Title page /Front page (Certified by the **HOD**)
2. Declaration by the candidate
3. Certificate attested by the Supervising Teacher
4. Acknowledgement, if any
5. Table of contents
6. Abbreviation, if any
7. Introduction & Review of Literature
8. Material and Methods
9. Results and Discussion (Not less than 10 pages)
10. Summary and Conclusion
11. References

Tables, Graphs, Photographs etc. can be used to present the data. Topics selected once should not be repeated and plagiarism should be avoided.

DEPARTMENT OF BOTANY



St JOHN'S
COLLEGE, ANCHAL

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CERTIFICATE

This is to certify that the project entitled “**Study of allelopathic activity of some invasive plant species in our campus on seed germination of two widely cultivated vegetable crops.**” is a work done by Devika j. Reg.No. 24521138004, Aswiin A. Reg.No.24521138012, Faizal Sha S.Reg.No.24521138014, Noufal N. Reg.No.24521138021, Thansiya S. Reg.No.24521138026, who are the students of final year (6th Semester) B Sc Botany, St. Johns College, Anchal, in partial fulfilment for the requirements of the award of the degree of Bachelor of Science in Botany from University of Kerala and that no part of this project has been submitted earlier or elsewhere for similar purpose.

Dr. VIDYA V R

Assistant Professor on contract, Department of Botany
St. John's College Anchal

Signature

Dr. KAVITHA.C.H

The Head & Assistant Professor,
Department of Botany
St. John's College, Anchal



Signature

Submitted to the University of Kerala for the award of BSc degree examination, March 2024

Signature of Examiners:

1:

2:



CERTIFICATE

This is to certify that the project entitled **The effect of selected surfactants on seed germination of some common vegetable varieties** is an authentic record of the original project work carried out by a group of final year B.Sc. Students Silpa B. S (Reg no: 24521138025), P. R Aravind (Reg no: 24521138006), Athira S (Reg no: 24521138013), Sarath S. (Reg no: 24521138024), Nija Anil (Reg no: 24521138020) and Silpa Biju (Reg no: 24521138008) of the Department of Botany, St. John's College, Anchal, during the academic year 2023-'24, under my supervision and guidance. No part of this work had been submitted earlier for the award of any other Degree or Diplomas of any other Universities. I further certify that this independent study is not a part of any Degree or any other work published prior to this.

Dr Kavitha C. H.
Assistant Professor & Head
Department of Botany



Jerry C. Jacson
Assistant Professor
(Supervising Teacher)

This dissertation is submitted to the University of Kerala for the award of BSc Botany Degree, May 2024.

Signature of examiners:

1.

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CERTIFICATE

This is to certify that the project entitled “**Comparison on the effect of different seed priming methods on germinability and seedling vigour of Fenugreek seeds (*Trigonella foenum-graecum L.*)**.” is a work done by Amitha A. Reg.No. 24521138001, Sijin Mathew.Reg.No.24521138003,AkhilaS.Reg.No.24521138010,Lekshmidas.B.A.Reg.No.2452113801, Nihitha S. Reg.No.24521138019, Noufal Nazeer Reg.No.24521138022 who are the students of final year (6th Semester) **B Sc Botany, St. Johns College, Anchal**, in partial fulfilment for the requirements of the award of the degree of Bachelor of Science in Botany from University of Kerala and that no part of this project has been submitted earlier or elsewhere for similar purpose.

Dr. KAVITHA.C.H

Assistant Professor, Department of Botany
St. John's College Anchal

Signature

Dr. KAVITHA.C.H

The Head & Assistant Professor,
Department of Botany
St. John's College, Anchal



Signature

Submitted to the University of Kerala for the award of BSc degree examination, March 2024

Signature of Examiners:

1:

2:

Date:31-03-2024.

DEPARTMENT OF BOTANY



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CERTIFICATE

This is to certify that the project entitled "**POLLINATION SYNDROMES OF *Physalis minima* L.**" is a work done by Arya R Kurup (Reg.No: 24521138003), Anaswara Vijayan (Reg.No:24521138011), Karthik V R (Reg.No: 24521138015), Lijo Jose (Reg.No:24521138018) who are the students of final year (6th Semester) BSc Botany, St. John's College, Anchal, In partial fulfillment for the requirements of the award of the degree of Bachelor of Science in Botany from University of Kerala and that no part of this project has been submitted earlier or elsewhere for similar purpose.

Dr. Anoosh Varghese
Assistant Professor
and Research Supervisor
Department of Botany
St. John's College, Anchal.

Signature

Dr. Kavitha C H
The Head, Of the Department,
St. John's College, Anchal.



Signature

Submitted to the University of Kerala for the award of BSc degree examination, May 2024.

Signature of examiners: 1:

2: