



SRI VIDYA MANDIR ARTS & SCIENCE COLLEGE **(Autonomous)**

(An Autonomous College Affiliated to Periyar University, Salem)
(Accredited by NAAC with 'A' Grade [3.27])
(Recognised 2(f) & 12(B) under UGC Act of 1956)
Vignesh Nagar, Katteri – 636 902, H. Eachampadi (Via),
Uthangarai (Tk), Krishnagiri (Dt), Tamil Nadu

Minutes of the First Postgraduate (M.Sc. Botany) Board of Studies Meeting **in Botany of Sri Vidya Mandir Arts & Science College (Autonomous)**

Date: 11.09.2020 (Thursday) Time: 04.00 PM Mode: Online (Zoom App)

The first Board of Studies Meeting of the Postgraduate (M.Sc. Botany) Programme of the Sri Vidya Mandir Arts & Science College (Autonomous) was conducted as per the guidelines of the University Grants Commission (UGC) on 11.09.2020 at 04.00 PM through Online (Zoom App) Platform. The following Members were present in the meeting:

Members Present

- 1. Dr. A. Selvaraju** **Chairman**
Assistant Professor & Head
PG Department of Botany
Sri Vidya Mandir Arts & Science College (Autonomous)
Katteri – 636 902, Uthangarai
Krishnagiri District, Tamil Nadu
- 2. Dr. K. Selvam** **University Nominee**
Professor & Head
Department of Botany
School of Life Sciences
Periyar University, Periyar Palkalai Nagar
Salem – 636 011, Tamil Nadu
- 3. Dr. S. Murugesan** **(Subject Expert from
Outside the Parent
University)**
Associate Professor & Deputy HOD
PG & Research Department of Botany
Pachaiyappa's College, Chennai. Tamil Nadu
- 4. Dr. S. Sahaya Sathish** **(Subject Expert from
Outside the Parent
University)**
Associate Professor, Dean of Biological Sciences
Department of Botany
St. Joseph's College, (Autonomous)
Thiruchirapalli. – 620 023, Tamil Nadu.

5. **Dr. Narendra Sivaswamy** (Industrial Representative)
Director Technical
Synkromax Biotech Private Limited Biotech Division
Athipattu Village, Tiruttani Taluk – 631 210
Thiruvallur District, Tamil Nadu
6. **Mrs. N. Pushpalatha** (Member)
Assistant Professor
PG Department of Botany
Sri Vidya Mandir Arts & Science College, (Autonomous)
Katteri – 636 902, Uthangarai
Krishnagiri District, Tamil Nadu
7. **Dr. V. Chinnadurai** (Member)
Assistant Professor
PG Department of Botany
Sri Vidya Mandir Arts & Science College (Autonomous)
Katteri – 636 902, Uthangarai
Krishnagiri District, Tamil Nadu
8. **Dr. R. Vinoth Kumar** (Member)
Assistant Professor
PG Department of Botany
Sri Vidya Mandir Arts & Science College (Autonomous)
Katteri – 636 902, Uthangarai
Krishnagiri District, Tamil Nadu

Dr. A. Selvaraju, the Chairman of the Board of Studies addressed the gathering with a Warm welcome to the University Nominee, Subject Experts, Industrial Representative and other Members. During his introductory speech, he briefed the details of the Agenda and the academic theme to be discussed.

Prior to this Board of Studies Meeting, the M.Sc. Botany Programme syllabi was sent to all the Board of Studies Members by e-mail and the following modifications / corrections / suggestions received from the Members were carried out completely and submitted the revised syllabi for the Board of Studies Meeting.

- 1) The Courses in the Semester-I, Biodiversity of Plants - I and Biodiversity of Plants-II to be changed into Plant Diversity -I and Plant Diversity - II and the Plant taxonomy course in the Semester II can be changed in to Plant Systematics.
- 2) Suggested to introduce one more option in the elective course.
- 3) Suggested increase the credits for Project.
- 4) Specifically mention *Usnea* in Plant Diversity Practical – I.
- 5) Suggested to reduce the number or cancel the submission of herbarium.
- 6) Suggested to reduce the number of wood specimen in Anatomy Practical.

The Agenda of the Meeting was taken up for discussion. The following points were discussed during the Meeting. The resolutions made in the BOS Meeting are given below:

AGENDA

- 1. Formulation and finalization of syllabi for the M.Sc. Botany Programmes for the academic year 2020-2021 and thereafter.**
- 2. To prepare the scheme of examinations and question paper pattern.**

RESOLUTIONS

- The Committee appreciated the formulation of syllabi for M.Sc. Botany Programme on Outcome Based Education (OBE) basis to meet out the criteria of the Educational Empowerment and Social Relevance.
- The Committee also appreciated the framing of syllabi including the UGC, TANSICHE, CSIR-NET, SET, JEST and GATE Syllabi.
- The Committee appreciated the neat presentation of the M.Sc. Botany Programme Structure in table format with nature of course, course codes, course titles, lecture hours, practical hours, credits and marks for all the courses.
- The Committee suggested to arrange the courses in each semester according to the availability of flora.
- The Committee suggested to address the advances in research and technological infrastructure and to educate the student about the scientific advances and discoveries.

- The Committee recommended the Streamlining existing courses with focus on Employability, Entrepreneurship and Skill Development.
- The Committee suggested to facilitate the courses, it was decided to sign MOUs to collaborate with organizations relating to the discipline that would be helpful to the students.
- According to the Committee's opinion, the field trips and research station visits can be carried out in each semester based on the requirement.
- The Committee necessitates the conducting of practical exams after every semester.

In addition, the committee suggested the following modifications / corrections / suggestions in the submitted syllabi.

- i. Semester I – Plant Diversity – I
No changes are made in the syllabus
- ii. Semester I – Plant Diversity – II
 - In Unit – II the study forms of either *Polypodium* or *Salvinia* to be included.
 - In Unit – V the fossil study forms may be reduced.
- iii. Semester II – Plant Systematics
 - In Unit – I, System of classification - instead of Hutchinson's, Takhtajan's may be included.
- iv. Semester II – Anatomy, Embryology of angiosperms and microtechniques
 - Unit – I may be reduced
- v. Cell Biology, Genetics and Molecular Biology – Semester – II
 - In Unit – II, Steps in Cell Cycle to be rephrased as Different phases in the Cell cycle.
 - Unit – V may be modified.
- vi. Semester III – Ecology, Phytogeography and Remote sensing
 - In Unit – I Remove the 'classification of plant community and adaptations'
- vii. Semester IV – Plant Physiology, Plant Biochemistry and Biophysics
 - The Reference Books may be reduced.
- viii. Semester IV – Bioinstrumentation, Biostatistics and Bioinformatics

- The paper name may be changed as 'Research Methodology, Bioinstrumentation, Biostatistics and Bioinformatics'.
 - Interchange Unit – III to Unit – I.
 - In Unit – I, Bright field microscopy to be added.
 - In Research methodology (Scopus, Plagiarism, Impact Factor, Citation indexing) to be included.
- ix. Core Practical – I (Plant Diversity – I & Microbiology and Plant Pathology)
- Add any one from *Spirulina* or *Chlorella*.
 - More experiments in microbiology using agar plate methods to be added.
 - In Types of edible mushrooms, Oyster or Pleurotus to be included.
- x. Core Practical – V
(Plant Physiology, Plant Biochemistry, Biophysics Bioinstrumentation, Biostatistics, Bioinformatics)
- Experiments in the Plant Physiology and Plant Biochemistry to be reduced.
- xi. Major Elective Courses
No changes are made in the syllabus
- xii. Some of the spelling mistakes / typographical errors found in the Syllabi must be corrected. For instance:
- (i) In Plant Diversity – I Practical Syllabus (Algae) – 2nd line – '*Scytonemea*' to be corrected as '*Scytonema*, '.
 - (ii) In Cell Biology, Genetics and , Molecular Biology – Course Objectives – 4th line – 'moleculr' to be corrected as 'molecular'.

The Committee discussed about the Question Paper Model and Structure and Unanimously Recommended the following Question Paper Model.

- ❖ Maximum marks for theory examination will be 100 marks, out of which 75 marks will be allotted for End Semester Examination (ESE) and 25 marks will be distributed for internal examination (CIA).
- ❖ Part A in End Semester Examination will be conducted in the form of Objective Type Questions for 15 marks (15 × 1 = 15 marks)
- ❖ For Part B, it is suggested to conduct the examination with 5 questions (each unit should contain one question). Out of the 5 questions, 3 questions to be answered (3 × 5 = 10 marks)

- ❖ 5 questions in either or pattern (each unit should contain one either or type question) were suggested to ask in Part C ($5 \times 9 = 45$ marks)
 - ❖ Total duration of the exam will be 3 hours
11. Internal Assessment (CIA) for 25 marks is suggested to follow the following manner
- a. Written examination (CIA) for 10 marks
 - b. Assignment for 5 marks
 - c. Seminar for 5 marks
 - d. Attendance for 5 marks

Dr. V. Chinnadurai, Assistant Professor, PG Department of Botany proposed the vote of thanks. The meeting concluded at 7.30 P.M.

The Committee Unanimously Recommended to finalize the syllabi for M.Sc. Botany Programme after overviewed the corrected/modified syllabi.

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