

SPACES DEGREE COLLEGE (AUTONOMOUS) PAYAKARAOPETA
DEPARTMENT OF AGRICULTURE

BOARD OF STUDIES MEETING FOR
B.Sc. (Hons) Agriculture & Rural Development Single Major
I & II SEMESTERS OF 2025-2026 ADMITTED BATCH



Permanently Affiliated to Andhra University

SPACES DEGREE COLLEGE(AUTONOMOUS), PAYAKARAOPETA

DEPARTMENT OF AGRICULTURE

BOARD OF STUDIES MEETING

(B.Sc. Hons Agriculture & Rural Development Single Major – 2025-2026 AY)

S. No	Content
1.	BOS Proceedings
2.	B.Sc. Hons Agriculture & Rural Development Single Major – Board of Studies Members
3.	Invitation to Board of Studies members
4.	Agenda
5.	Resolutions
6.	Annexure -1: Course curriculum frame work for I and II Semesters
7.	Annexure -2: Changes in the syllabus and Approved syllabus copy for I & II Semesters
8.	Annexure -3: Evaluation Pattern
9.	Annexure -4: Blue print & Model Question paper – Mid-term Exams
10.	Annexure -5: Blue print & Model Question paper – Semester End Exam
11.	Annexure – 6: List of Question paper Setters & Examiners

PROCEEDINGS OF THE PRINCIPAL
SPACES DEGREE COLLEGE (Autonomous), PAYAKARAOPETA
BoS Meetings for the 2025-2026 AY

Procs. No : R.C. No:2 /SPACES/A.C/BOS

Date: 13-10-2025

Sub: SPACES Degree College (A), Payakaraopeta – Academic Council – Conduct of BOS Meetings for the Academic Year 2025-2026- Guidelines issued – Regarding.

ORDER: -

The autonomous colleges, in alignment with their vision, mission, stated objectives, and core values, are mandated to design and develop their own outcome-based curricula. This must be done with due consideration for societal, local, and global industry requirements, employability, and the development of industry-ready and transferable skills. Accordingly, every program shall prescribe Course Outcomes (COs), Program Outcomes (POs), and Program Specific Outcomes (PSOs) along with a suitable learning outcome assessment management system, supported by a robust and transparent evaluation mechanism to measure attainment levels among students.

Further, the A.P. State Council of Higher Education (APSCHE) has introduced a revised curricular framework effective from the Academic Year 2025-26, incorporating Skill Enhancement Courses, Multi-Disciplinary courses, the Indian Knowledge System and a revised credit structure.

In light of the above responsibilities prescribed by the institution's vision and mission, NEP-2020, and the APSCHE's revised and new UG curricular framework, it is imperative to customize, design, and re-orient our academic and research activities to meet the expectations of students, industries, and government stakeholders.

Accordingly, the Chairpersons of the U.G Boards of Studies (BoS) of various departments are hereby requested to make necessary arrangements to convene their BOS meetings before 25 October 2025. The Chairpersons are further instructed to:

1. Prepare the curricula and extracurricular activities for the Academic Year 2025–26 in line with the institution's vision, mission, NEP-2020, and APSCHE norms.
2. Devise an appropriate evaluation system to ensure effective learning outcomes and holistic student development.
3. Ensure that the curriculum design includes 20% revision of the syllabus each year without deviating from the APSCHE prescribed syllabus.
4. If the syllabus is not prescribed by APSCHE/Affiliating University, then the syllabus is to be framed by the BOS committee concerned with duly following the mandate prescribed above.
5. Engage stakeholders viz employers, parents, and alumni, to obtain feedback on the existing curricula and to invite suggestions for improvements.
6. Invite the University nominee, subject experts, industry representatives, student representatives, well in advance. The meeting notice shall clearly specify the date, venue, and agenda, and a soft copy of the agenda and relevant documents shall be circulated for their perusal.
7. Ensure that the subject experts invited preferably hold a Doctorate with at least 10 years teaching experience and have relevant expertise in designing industry-related, market- and job-of oriented curricula.
8. Facilitate thorough deliberations on curriculum design, evaluation methods, incorporation of research components, measures to enhance learning experiences, and optimal utilization of existing human, physical, and ICT resources.
9. Conduct all BOS meetings in offline mode. Online participation shall be permitted only under exceptional circumstances.
10. Prescribe benchmarking and quality initiatives in pedagogy and learning, including strategies for curriculum design and teaching-learning processes, in collaboration with the IQAC Coordinator, prior to the BOS meeting.
11. Ensure that a minimum student attendance of 75% shall be required for eligibility to appear for I & II Mid-Term Examinations under the CIA component; this shall be formally approved in the BoS meeting.
12. Semester End theory examinations will be conducted for 75 marks and 25 marks will be allocated for internal marks. Practical exams will be conducted for 50 Marks

13. Approve any new Certificate courses/ Addon programs to be introduced for the Academic Year 2025–26, the number and frequency of certificate courses, and SWAYAM MOOCs courses.
14. Submit the approved BOS copies in the prescribed format, in quadruplicate (hard copies) to the Academic Cell for onward submission to the IQAC, Examination Cell, and Library, within three days of the meeting and upload the soft copy in their respective department web pages in the college website.
15. Ensure strict alignment of all recommendations and curriculum changes with the institution's vision and mission.
16. Submit a request to receive advance funds from the Examination cell through Principal for conducting BoS meetings.

The details of honorarium to be paid to the University Nominee and Subject Experts attending the Board of Studies (BOS) meeting are as follows:

UG BOS for AY 2025-26:

S. NO	DESIGNATION	HONORARIUM (RS)	TA
1	University Nominee	4000/-	1000/-
2	Subject Expert	1000/-	500/-
3	Industrialist	1000/-	500/-

Following contents shall be presented in the BOS document in the order

1. Proceedings of the Principal pertaining to BOS
2. Composition of BOS
3. Agenda.
5. Table showing the Allocation of Credits in the following table for both theory and Practical's in case of science subjects.
6. Resolutions adopted in the meeting with detailed discussion that took place during the meeting.

7. Each BOS Chairman shall, immediately after BOS , tabulate the changes made in the syllabus/ paper along with justification.

8. Attendance of Members present with signatures in the tabular form.

9. List of Examiners & Paper setters

10. Syllabus for each course (both theory & Practical in case of Science subjects) followed by model question papers (theory & practical) and allocation of CIA (50 marks) for each course with structure.

CIA structure for Single Major system:

Allotment of Internal marks (25) is followed based on the criteria:

1. Two mid Examinations will be conducted per each semester. Each mid exam will be conducted per 50 marks and scaled down to 10 marks
2. 5 marks will be allotted for student seminar and assignment.

S. No	Examination	Marks	Scaled down
1	Mid -1	50	10
2	Mid -2	50	10
3	Seminar, Assignments & Attendance	-	10

Mid examination to be conducted in offline mode in which the student should attempt 3 Essay Questions out of 6 Questions and 4 short answer questions out of 7 questions. Each essay question carries 10 marks and short answer question carries 5 marks. First mid exam will be conducted for first 2 units and second mid exam will be conducted for next 2 units.

Section	Category	Marks for each Question	Questions to be given	Questions to be answered	Total Marks
A	Essay Questions	10	6	3	30 M
B	Short Answer Questions	5	7	4	20
Total	-	-	13 Questions	7	50 M

The Chair persons of all Board of Studies are hereby instructed to comply with these directives in letter and spirit to ensure the highest standards of academic and administrative excellence.

Principal



A. R. Lakshmi
PRINCIPAL
SPACES DEGREE COLLEGE
PAYAKARAOPETA

Copy to:

1. Dean
2. BOS Chairpersons of all the departments
3. IQAC Coordinator
4. Controller of Examinations
5. Office.

**PROCEEDINGS OF THE PRINCIPAL,
SPACES DEGREE COLLEGE (AUTONOMOUS), PAYAKARAOPETA**

R.C. NO:1 /A.C/BOS/Members Nomination dated: 03-10-2025

Sub: SPACES Degree College (Autonomous), Payakaraopeta- UG Board of Studies (BOS)- Nomination of Members – Orders Issued.

Ref: UG Guidelines for Autonomous Colleges (2018).

ORDER:

The Principal, SPACES Degree College (Autonomous), Payakaraopeta, is pleased to constitute the *Undergraduate Board of Studies* in the newly introduced **B.Sc. Agriculture & Rural Development** program for the purpose of ratifying the proposed syllabi for the **I and II Semesters**, duly following the norms and guidelines prescribed by the UGC (Autonomous) regulations.

S. No	Category of the Member	Name of the Member	Designation	Contact details
1	University Nominee	Prof. S.B. Padal	Professor, Department of Botany, Andhra University, Visakhapatnam	9491907646 sbpadal08@gmail.com
2.	Industry Expert	Dr. Venkatesh Devanur	CEO, Agri-life (India) Private limited	dr.venkatesh@agrilife.in
3.	Subject Expert-1	Dr. P. Pradeep Kumar	Asst. Professor, College of Horticulture, Dr. YSR Horticulture University.	8274995417 PRADEEPHORTICO@gmail.com
4.	Subject Expert-2	Sri B. Surendra Sagar	Lecturer In Agriculture, Ideal College of Arts & Sciences, Kakinada	8688501332 batchala.surendrasagar@gmail.com
5.	BOS Chairman	Dr. A.K Tripathy	HOD, Botany SPACES Degree College(A), P.R Peta	9440839830 biologyarun@gmail.com
6.	Member	Miss. M. Asha Pallavi	Assistant Professor, SPACES Degree College(A), Payakaraopeta	9391163277 Ashapallavi29@gmail.com
7.	Member	Sri E. Pardha Saradhi Ayyangar	Lecturer, SPACES Degree College(A), Payakaraopeta	6300649962 srimanpardhu@gmail.com
8.	Member	Miss. P. Akshitha	Lecturer, SPACES Degree College(A), Payakaraopeta	9392753131 pakshitha26@gmail.com
9	Student Alumni	Miss S. Preethija	-	6305538259 preethijasomireddy@gmail.com

The above members are requested to attend the BoS meeting on 14-11-2025 and share their valuable reviews, and suggestions on the following functionaries.

- Prepare and review the syllabi for the subject keeping in line of APSCHE and Affiliating University and interest of the stake holders for consideration and approval of the IQAC and Academic Council.

- Suggested methodologies for innovative teaching and evaluation techniques.
- Suggest the panel of Names to the academic council for appointment of Examiners.
- Coordinate research, teaching, extension and other activities in the Department.



A. R. G. Q. 2008
PRINCIPAL
SPACES DEGREE COLLEGE
PAYAKARAOPETA



SPACES
Degree College
AUTONOMOUS

Accredited by NAAC with 'A' Grade
Permanently affiliated to Andhra University
Approved by AICTE, New Delhi
Under the management of Sri Prakash Educational Society, Tuni



Dt: 11-11-2025

To

Prof. S.B. Padal,
Department of Botany,
College of Science and Technology,
Andhra University,
Visakhapatnam.

Respected Sir,

Sub: Meeting of Board of Studies on 14-11-2025

Ref: 1. 1) No. F.2 -10/2025 (AC Policy) dated 27-05-2025 of Deputy Secretary, UGC,
New Delhi.

2) No.C (1) Conferment of Autonomous / SPACES/ 2025 dated 01-07-25 of
the Vice- Chancellor, Andhra University, Visakhapatnam.

We are happy to inform you, that you have been nominated as the University Nominee by Andhra University to the Board of Studies in B.Sc. Agriculture & Rural Development at SPACES Degree College (Autonomous), Payakaraopeta.

The meeting of Board of Studies, is scheduled to be held on 14-11- 2025-at 10:00 A.M. at our College Campus. We request you to kindly make it convenient to participate in the meeting and contribute your valuable expertise.

We would be obliged if you acknowledge this letter at the earliest to confirm your participation in the meeting.

Thanking you

Yours faithfully



A.R. Padal
PRINCIPAL
SPACES DEGREE COLLEGE
PAYAKARAOPETA

Sri Prakash Academy of Computers, Electronics & Sciences



SPACES
Degree College
AUTONOMOUS

Accredited by NAAC with 'A' Grade
Permanently affiliated to Andhra University
Approved by AICTE, New Delhi
Under the management of Sri Prakash Educational Society, Tuni



Dt: 11-11-2025

To
Dr. Venkatesh Devanur,
CEO, Agri-life (India) Private limited, Hyderabad

Respected Sir,

Sub: Meeting of Board of Studies on 14-11-2025

Ref: 1. 1) No. F.2 -10/2025 (AC Policy) dated 27-05-2025 of Deputy Secretary, UGC,
New Delhi.

2) No.C (1) Conferment of Autonomous / SPACES/ 2025 dated 01-07-25 of the
Vice- Chancellor, Andhra University, Visakhapatnam.

We are happy to inform you, that you have been nominated as the Member from Industrial Sector to the Board of Studies in B.Sc. Agriculture & Rural Development at SPACES Degree College (Autonomous), Payakaraopeta.

The meeting of Board of Studies, is scheduled to be held on 14-11-2025 at 10:00 A.M. We request you to kindly make it convenient to participate in the meeting (Either physical or Virtual) and contribute your valuable expertise.

We would be obelized if you acknowledge this letter at the earliest to confirm your participation in the meeting.

Thanking you

Yours faithfully



A. R. S. Q. S. S. S.
PRINCIPAL
SPACES DEGREE COLLEGE
PAYAKARAOPETA

Sri Prakash Academy of Computers, Electronics & Sciences



SPACES
Degree College
AUTONOMOUS

Accredited by NAAC with 'A' Grade
Permanently affiliated to Andhra University
Approved by AICTE, New Delhi
Under the management of Sri Prakash Educational Society, Tuni



Dt: 11-11-2025

To

Dr. P. Pradeep Kumar
Asst. Professor,
College of Horticulture,
Dr. YSR Horticulture University.
Parvathi Puram, Andhra Pradesh

Respected Sir ,

Sub: Meeting of Board of Studies on 14-11-2025

Ref: 1. 1) No. F.2 -10/2025 (AC Policy) dated 27-05-2025 of Deputy Secretary, UGC,
New Delhi.

2) No.C (1) Conferment of Autonomous / SPACES/ 2025dated 01-07-25 of
the Vice- Chancellor, Andhra University, Visakhapatnam.

We are happy to inform you, that you have been nominated as the subject expert by Andhra University to the Board of Studies in B.Sc. Agriculture & Rural Development at SPACES Degree College (Autonomous), Payakaraopeta.

The meeting of Board of Studies, is scheduled to be held on 14-11- 2025-at 10:00 A.M. at our college campus. We request you to kindly make it convenient to participate in the meeting and contribute your valuable expertise.

We would be obelized if you acknowledge this letter at the earliest to confirm your participation in the meeting.

Thanking you

Yours faithfully



A. R. Lakshmi
PRINCIPAL
SPACES DEGREE COLLEGE
PAYAKARAOPETA

Sri Prakash Academy of Computers, Electronics & Sciences



SPACES
Degree College
AUTONOMOUS

Accredited by NAAC with 'A' Grade
Permanently affiliated to Andhra University
Approved by AICTE, New Delhi
Under the management of Sri Prakash Educational Society, Tuni



Dt: 11-11-2025

To
Sri B. Surendra Sagar,
HOD, Department of Agriculture,
Ideal College of Arts & Science
(A), Kakinada.

Respected Sir,

Sub: Meeting of Board of Studies on 14-11-2025

Ref: 1. 1) No. F.2 -10/2025 (AC Policy) dated 27-05-2025 of Deputy Secretary, UGC,
New Delhi.

2) No.C (1) Conferment of Autonomous / SPACES/ 2025dated 01-07-25 of
the Vice- Chancellor, Andhra University, Visakhapatnam.

We are happy to inform you, that you have been nominated as the subject expert by Andhra University to the Board of Studies in B.Sc. Agriculture & Rural Development at SPACES Degree College (Autonomous), Payakaraopeta.

The meeting of Board of Studies, is scheduled to be held on 14-11- 2025-at 10:00 A. M. at our college campus. We request you to kindly make it convenient to participate in the meeting and contribute your valuable expertise.

We would be obelized if you acknowledge this letter at the earliest to confirm your participation in the meeting.

Thanking you

Yours faithfully



A. R. S. Reddy
PRINCIPAL
SPACES DEGREE COLLEGE
PAYAKARAOPETA

Sri Prakash Academy of Computers, Electronics & Sciences



SPACES
Degree College
AUTONOMOUS

Accredited by NAAC with 'A' Grade
Permanently affiliated to Andhra University
Approved by AICTE, New Delhi
Under the management of Sri Prakash Educational Society, Tuni



Dt: 11-11-25

To
Miss S Preethija,
Kakinada

Respected Madam,

Sub: Meeting of Board of Studies on 14-11-2025

Ref: 1. 1) No. F.2 -10/2025 (AC Policy) dated 27-05-2025 of Deputy Secretary, UGC,
New Delhi.

2) No.C (1) Conferment of Autonomous / SPACES/ 2025 dated 01-07-25 of the
Vice- Chancellor, Andhra University, Visakhapatnam.

We are happy to inform you, that you have been nominated as the Alumnus member to the Board of Studies in B.Sc. Agriculture & Rural Development at SPACES Degree College (Autonomous), Payakaraopeta.

The meeting of Board of Studies, is scheduled to be held on 14-11-2025 at 10:00 A.M. at our college campus. We request you to kindly make it convenient to participate in the meeting and contribute your valuable expertise.

We would be obelized if you acknowledge this letter at the earliest to confirm your participation in the meeting.

Thanking you

Yours faithfully



A. R. S. Q. S. S. S.
PRINCIPAL
SPACES DEGREE COLLEGE
PAYAKARAOPETA

SPACES Degree College (A), Payakaraopeta
Department of Agriculture
Board of Studies for UG Studies – B.Sc., Hons. Agriculture and Rural Development Single
Major

AGENDA

DATE: 14-11-2025

TIME: 10:00 A.M.

1. Review of Proposed Curriculum

- To review the proposed curriculum for I and II semesters of B.Sc. Agriculture & Rural Development as per the guidelines of APSCHE, effective from the academic year 2025–2026.

2. Revision of Syllabus

- To discuss whether any changes or updates are required in the proposed syllabus in alignment with recent developments, stakeholder feedback and APSCHE directives.

3. Criteria and Pattern for Evaluation {Internal Assessment & External Assessment}

- To discuss and finalize the internal and **External** assessment framework, including weightage distribution (assignments, quizzes, mid-term tests, attendance, etc.). To propose and approve the pattern of external (end-semester) assessment — theory and practical components, marking scheme, and evaluation criteria.

4. Blueprint for Internal and External Examinations & Model Question Papers

- To discuss and finalize the blueprint for internal exams and semester-end examinations (unit-wise weightage, cognitive levels, and question types).
- To discuss and approve model question papers for I and II semesters, including both theory and practical examinations.

5. Proposal of Question Paper Setters and Examiners

- To propose and approve the list of eligible faculties for question paper setting, internal/external examiners, and evaluators.

6. Remedial Classes for Slow Learners

- To discuss strategies for identifying slow learners and conducting remedial classes to improve learning outcomes.

7. Organization of Guest Lectures

- To discuss plans for organizing guest lectures by subject experts, industry professionals, and alumni for knowledge enhancement.

8. Implementation of Certificate Courses

- To discuss and propose certificate/skill enhancement courses to be introduced in collaboration with industry or government bodies.

9. Any Other Matter

- To discuss any other matter with the permission of the Chairperson.

SPACES Degree College (A), Payakaraopeta

Department of Agriculture

Board of Studies for UG Studies – B.Sc., Hons. Agriculture and Rural Development Single Major

MINUTES OF MEETING

Date: 14-11-2025

Time: 10:00 A.M. to

1:00 PM Mode: Hybrid

Members Attended:

1. Prof. S B Padal, Department of Botany, Andhra University, Visakhapatnam.
2. Sri Venkatesh Devanur, AgriLife India Limited, Hyderabad. (Online)
3. Dr P Pradeep Kumar, Asst. Professor, Dr YSR Horticultural University.
4. Sri. B Surendra Sagar, Lecturer, IDEAL College of Arts & Science (A), Kakinada.
5. Miss S Preethija, Alumnus, SPACES Degree College
6. Miss M Asha Pallavi, Assistant Professor, SPACES Degree College(A), Payakaraopeta
7. Mr E Pardha Saradhi Ayyangar, Lecturer, SPACES Degree College(A), Payakaraopeta
8. Miss. P. Akshitha, Lecturer, SPACES Degree College(A), Payakaraopeta.
9. Dr. A K Tripathy, HOD, Dept of Botany, SPACES Degree College(A) , Payakaraopeta

The Chairperson of BOS welcomed all members and introduced them. The agenda points were discussed thoroughly and the following resolutions were made.

*** Agenda- 1: Review of Proposed Curriculum**

Resolution 1:

The BoS Members approved the Proposed Curriculum Framework for the course B.Sc., Hons. Agriculture and Rural Development Single Major

It was resolved that the allotted credits and workload particulars for Major papers in Semester I - **Fundamentals of Agricultural Science & Agronomy & Basics of Rural Development and Rural Sociology** and major papers in Semester -II such as **Fundamentals of Soil Science and Soil Fertility Management & Fundamentals of Entomology** will remain unchanged and continue to follow the APSCHE norms. Each paper carries 3 credits for theory components and 1 credit for practical component, with 3 hours of theory and 2 hours of practical per week. The detailed paper titles, curriculum frame work including credits and hours/ week were presented in **Annexure -1**.

*** Agenda 2: Revision of Syllabus**

Resolution 2:

It was resolved to make certain changes in the proposed syllabus. The modifications are as follows:

Semester -1

Course-1: Fundamentals of Agricultural Science & Agronomy – Theory Paper

No changes were proposed; it was resolved to adopt the syllabus as it is proposed

Course-1: Fundamentals of Agricultural Science & Agronomy – Practical

No changes were proposed; it was resolved to adopt the syllabus as it is proposed

Course-2: Basics of Rural Development and Rural Sociology – Theory Paper:

No changes were proposed; it was resolved to adopt the syllabus as it is proposed

Course-2: Basics of Rural Development and Rural Sociology – Practical Paper

No changes were proposed; it was resolved to adopt the syllabus as it is it is proposed.

Semester-2:

Course-3: Fundamentals of Soil Science and Soil Fertility Management – Theory Paper

No changes were proposed; it was resolved to adopt the syllabus as it is it is proposed.

Course-3: Fundamentals of Soil Science and Soil Fertility Management – Practical

Dr Venkatesh Devanur, Industrial Expert suggested changes in the practical component i.e. to include measurement of NPK value in soil; also, “Study of Soil Microflora” as an additional input.

Course-4: Fundamentals of Entomology – Theory Paper

No changes were proposed; it was resolved to adopt the syllabus as it is proposed

Course-4: Fundamentals of Entomology – Practical

Dr Venkatesh Devanur, Industrial Expert. suggested to change the name of the Unit-V from “**Insect Ecology and Pest Management**” to “**Insect Ecology and Integrated Pest Management**”
The changes made in the syllabus, along with their justifications were presented in **Annexure -2**.

*** Agenda-3: Criteria and Pattern of Evaluation for Internal Assessment & External Assessment (Semester End Examination)**

Resolution 3:

It was resolved that the evaluation of each paper will be 100 marks in theory and 50 marks in practical. The theory component includes both internal and external assessments. The mode of internal and external assessment shall be followed as per the guidelines of the affiliating Andhra University.

As per the University’s current norms, 30 marks will be allotted for Internal assessment and 70 marks will be allotted for external assessment.

It was resolved that the internal assessment of students will be based on the performance in mid examinations, student seminars, assignments and attendance. Two mid examinations will be conducted in each semester. Each mid examination will be conducted for 50 marks and scaled down to 10 marks. The breakup of internal marks is as follows:

Mid-1: 10 marks, Mid 2: 10 Marks, Seminar and assignment-5 marks and attendance -5 marks.

Students should secure a minimum of 40% in both internal and external assessments to qualify or pass.

The details of internal and external assessments along with qualifying marks, were presented in **Annexure -3**.

***Agenda 4: Blueprint for Internal and External Examinations & Model Question Papers**

Resolution 4:

The Model question paper for internal and external assessment (Semester End examination) was reviewed, discussed and approved for implementation.

It was resolved that the first mid examination is to be conducted for first two units and second mid examination is to be conducted for next 2 units.

It was resolved to conduct semester end examination for 70 marks consisting of essay type questions and short answer questions.

The detailed blue print and model question paper were presented in **Annexure- 4 & Annexure-5**

*** Agenda-5: Proposal of Question Paper Setters and Examiners**

Resolution 5:

The list of question paper setters and examiners for was presented discussed and approved by the board. The list of question paper setters and examiners, were presented in **Annexure -6**.

*** Agenda 6: Remedial Classes for Slow Learners**

Resolution 6 :

It was resolved to conduct remedial classes for slow learners after Mid -1 Examinations to help improve their academic performance.

*** Agenda 7: Organization of Guest Lectures**

Resolution 7:

The BOS resolved to organize guest lectures by inviting subject experts from reputed institutions and industries to enhance student’s exposure and knowledge.

*** Agenda 8: Implementation of Certificate Courses**

Resolution 8:

It was resolved to introduce certificate course in the following specializations:

Mushroom Cultivation, Hydroponics, Apiculture, Sericulture, Polyhouse Maintenance, Biofertilizer & Biopesticide preparation. Biological Agriculture, Integrated pest Management The

certificate course may be offered in the 4th semester of their course and it should be designed to enhance Hands-On experience and industrial skills for industrial readiness.

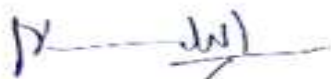
The BOS resolved to organize 2 week industrial exposure in every year for students to gain skill in the relevant sector.

*** Agenda 9: Any Other Matter**

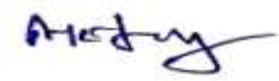
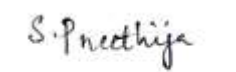
Resolution 9:

- The Members Discussed about Industry Academia Connect to provide Exposure and Skill Improvement.
- The Industrial Expert suggested modifications in the Practical Component from time to time Suitable to the Current Industry Needs.
- The Industrial Expert Shared his views on providing the Hands-on Exposure to the Industry to the students for a Duration of 2-3 Weeks at the end of Every Year.
- The BoS Members Discussed about the Providing Orientation Session to the Students on IPM.
- The BoS Members suggested that ICAR Approval and Accreditation would be more helpful for the students

The Chairperson thanked all members for their active participation and valuable inputs. The meeting concluded with all the above resolutions being passed unanimously.



Prof. S B Padal


B Surendra Sagar
Dr A K Tripathy
Prof P Pradeep Kumar
Miss S Preethija
E Pardha Saradhi Ayyangar
M Asha Pallavi
P Akshitha

ANNEXURE-1

SPACES Degree College (A), Payakaraopeta
Department of Agriculture
Board of Studies for UG Studies:
B.Sc. Hons. Agriculture and Rural Development Single Major

Course structure & curricular frame work for 1 & 2 semesters

FIRST year

Year	Semester	Course	Title of the Course	No. of Hrs /Week	No. of Credits
I	I	1	Fundamentals of Agricultural Science & Agronomy (Theory)	3	3
			Fundamentals of Agricultural Science & Agronomy (Practical)	2	1
		2	Basics of Rural Development and Rural Sociology (T)	3	3
			Basics of Rural Development and Rural Sociology (P)	2	1
	II	3	Fundamentals of Soil Science and Soil Fertility Management (T)	3	3
			Fundamentals of Soil Science and Soil Fertility Management (P)	2	1
		4	Fundamentals of Entomology(T)	3	3
			Fundamentals of Entomology(P)	2	1
			Total		16

Annexure -2
SPACES Degree College (A), Payakaraopeta
Department of Agriculture
Board of Studies for UG Studies:
B.Sc. Hons. Agriculture and Rural Development Single Major

List of changes made in the syllabus

CHANGES IN SYLLABUS WITH JUSTIFICATIONS

SEMESTER I

Course-1: Fundamentals of Agricultural Science & Agronomy (Theory)

Unit	Type of Change	Description	Justification
I	NIL		
II	NIL		
III	NIL		
IV	NIL		
V	NIL		

Course 1: Fundamentals of Agricultural Science & Agronomy (Practical)

Type of Change	Description
NIL	

Course 2: Basics of Rural Development and Rural Sociology (Theory)

Unit	Type of Change	Description	Justification
I	NIL		
II	NIL		
III	NIL		
IV	NIL		
V	NIL		

Course 2: Basics of Rural Development and Rural Sociology (Practical)

Type of Change	Description
NIL	

SEMESTER II

Course 3: Fundamentals of Soil Science and Soil Fertility Management (Theory)

Unit	Type of Change	Description	Justification
I	NIL		
II	NIL		
III	NIL		
IV	NIL		
V	NIL		

Course 3: Fundamentals of Soil Science and Soil Fertility Management (Practical)

Type of Change	Description	
Addition	1. Estimation of Total Organic Carbon 2. Analysis of NPK values 3. Study of Soil Microflora (Bacteria, Fungi, Mycorrhiza.)	Including 1) Estimation of Total Organic Carbon, 2) Analysis of NPK values, and 3) Study of Soil Microflora in the B.Sc. Agriculture & Rural Development syllabus is essential for understanding soil health and sustainable crop production. TOC estimation helps assess soil fertility and long-term sustainability. NPK analysis equips students with practical skills for fertilizer management and improving crop yields in rural communities. The study of soil microflora (bacteria, fungi, mycorrhiza) provides knowledge of nutrient cycling, plant-microbe interactions, and eco-friendly farming practices. Together, these topics build the scientific foundation needed for modern agriculture.

Course 4: Fundamentals of Entomology (Theory)

Unit	Type of Change	Description	Justification
I	NIL		
II	NIL		
III	NIL		
IV	NIL		
V	Title change of Unit-V	From “Insect Ecology & Pest Management” to “Insect Ecology & Integrated Pest Management”	The new title reflect the modern, holistic, and eco-friendly approach to managing insect pests. Traditional <i>pest management</i> primarily emphasized chemical control and corrective actions after pest outbreaks occurred. However, current agricultural and environmental standards advocate a more sustainable strategy that integrates multiple compatible methods for long-term pest suppression.

Course 4: Fundamentals of Entomology (Practical)

Type of Change	Description
NIL	

SEMESTER-I

Course 1. Fundamentals of Agricultural Science & Agronomy (Theory)

Credits: 3

3 hrs./week

Course Objectives:

- To orient students with basics of agriculture, its scope and development in India.
- To understand the principles of crop production including soil-plant-climate relations.
- To introduce the science of agronomy and crop husbandry practices.
- To impart knowledge on input management in field crops for efficient productivity.
- To familiarize students with modern/precision agriculture concepts and sustainability.

Course outcomes

Upon successful completion of the course, the students will be able to:

- CO1: Explain the scope, branches, and national importance of agricultural sector.
- CO2: Describe fundamentals of crop growth, production factors and yield determinants.
- CO3: Select and adopt appropriate agronomic practices for major agro-ecosystems.
- CO4: Recommend suitable nutrient, water, seed and weed management strategies.
- CO5: Demonstrate basic field agronomy skills and modern precision interventions.

Unit I: Introduction to Agricultural Science and Agronomy

- Agriculture – meaning, scope, national importance; link of agriculture with rural development.
- Branches of Agricultural Sciences (Agronomy, Horticulture, AH, Ag. Eng, Ag. Econ, Ag. Extn) and their inter-relationships.
- Agronomy – definition, scope and importance; relationship of agronomy with other agricultural sciences.
- History and development of agriculture and agronomic research in India.
- Agro-climatic and agro-ecological zones of India and of Andhra Pradesh, and their role in crop/farming systems planning.
- Classification of crops (season, life cycle, botanical, use) ; factors affecting agricultural & crop productivity (climatic, edaphic, biotic, socio-economic).

Unit II: Soil and Tillage

- Soil as a natural resource and its role in plant growth.
- Soil types of India and their characteristics.
- Physical, chemical, and biological properties of soil influencing crop growth.
- Tillage: objectives, principles, and types (primary, secondary, special).
- Modern concepts: conservation tillage, zero tillage, minimum tillage.
- Implements used in tillage operations.
- Preparation of seedbed and its importance for crop establishment.

Unit III: Crop Establishment and Management

- Seed: definition, quality parameters (purity, viability, germination, vigor).
- Sowing and planting methods: Broadcasting, Dibbling, Drilling, Transplanting.; Seed rate, spacing, and planting geometry.
- Crop growth stages and factors influencing growth and yield.
- Irrigation methods: surface, sprinkler, drip; irrigation scheduling and efficiency.
- Nutrient management: essential nutrients, functions, deficiency symptoms, manures, fertilizers and biofertilizers; Integrated Nutrient Management (INM) and its relevance in sustainable farming.

Unit IV: Weed and Pest Management (Agronomic Perspective)

- Definition and characteristics of weeds; their effects on crops.
- Classification of weeds based on life cycle and habitat.
- Principles and methods of weed control: mechanical, cultural, chemical, and biological.
- Herbicides: classification, mode of action, selectivity, and precautions in use.
- Introduction to integrated weed and pest management (IWM, IPM).

Unit V: Cropping Systems and Sustainable Agriculture

- Concepts: cropping pattern, cropping system, crop rotation, mixed, inter-, and relay cropping.
- Cropping intensity and indices of multiple cropping.
- Problematic soils and their agronomic management (saline, sodic, acidic, waterlogged).
- Sustainable agriculture: concepts, need, and principles.
- Conservation agriculture and organic farming.
- Designing cropping systems suitable for diverse agro-ecological and socio-economic conditions.

Suggested Text/Reference Books

1. Reddy, S.R. (Latest Ed.). *Principles of Agronomy*. Kalyani Publishers.
2. Ghai, S.S. (Latest Ed.). *Fundamentals of Agronomy*. Oxford & IBH Publishing Co. Pvt. Ltd.
3. ICAR. *Principles of Agronomy and Agricultural Heritage*. ICAR, New Delhi.
4. Subba Reddy, A. & Reddy, S. (Latest Ed.). *Farming Systems and Sustainable Agriculture*. Oxford & IBH.
5. Pandey, S.N. & Kumar, A. *Textbook of Agronomy*. Agrobios Publications.
6. ICAR e-Course Material: *Fundamentals of Agronomy* (ebook.icar.org.in).

SEMESTER-I

Course 1. Fundamentals of Agricultural Science & Agronomy (Practical)

Credits: 1

2 hrs./week

.....

Practical Syllabus

1. Familiarization with farm implements and their uses in tillage and sowing.
2. Identification and classification of major crops and seeds.
3. Identification of common manures, fertilizers, and biofertilizers.
4. Identification and study of common weeds in agricultural fields.
5. Determination of soil moisture content, bulk density, and infiltration rate.
6. Handling and calibration of sprayers and dusters.
7. Weed flora survey and estimation of weed biomass.
8. Recording growth stages and yield estimation in field crops.
9. Design of simple cropping plans and crop rotations for smallholder farms.
10. Visit to agricultural research station or organic/sustainable farm.

SEMESTER-I

Course 2. Basics of Rural Development and Rural Sociology (Theory)

Credits: 3

3 hrs./week

.....
Course Objectives:

- Understand the concepts, scope, and importance of rural development in India.
- Learn the basic principles of rural sociology, including social structure, culture, and institutions in rural society.
- Analyze the problems and challenges of rural communities and strategies for sustainable development.
- Explore participatory approaches, rural organizations, and government programs aimed at rural upliftment.
- Apply sociological concepts to real-world rural development projects and community engagement.

Course Outcomes (COs):

- CO 1: Understand the social structure and behavior of rural society.
- CO 2: Identify key factors influencing rural development.
- CO 3: Evaluate institutions and programs driving rural transformation.
- CO 4: Apply sociological and communication principles in extension and fieldwork.
- CO 5: Contribute to sustainable and inclusive rural development initiatives.

Unit I – Introduction to Rural Development and Rural Sociology

- Meaning, definition, nature, and scope of rural sociology and rural development.
- Importance and interrelationship between sociology and rural development.
- Characteristics of rural society and rural–urban differences.
- Evolution and historical background of rural development in India.
- Concept of community and village as a social system.

Unit II – Structure and Organization of Rural Society

- Social groups and social institutions: family, caste, religion, and marriage.
- Social stratification – caste, class, and gender relations.
- Rural leadership – meaning, types, and importance in rural development.
- Role of youth, women, and farmers' organizations in rural progress.
- Social control and rural social values.

Unit III – Culture, Social Change, and Rural Life

- Concept and elements of culture; folkways, mores, and traditions in rural India.
- Social change: meaning, factors (education, communication, legislation, technology).
- Processes of social change – modernization, urbanization, westernization,
- Barriers to social change in rural areas.
- Role of education and extension in social transformation.

Unit IV – Rural Development Approaches, Institutions, and Programs

- Concepts, objectives, and principles of rural development.
- Major approaches: Gandhian, Integrated, Participatory, and Target-group approach.
- Panchayati Raj Institutions (PRIs) and decentralization of power.
- Role of NGOs, Self-Help Groups (SHGs), and Cooperatives.
- Major government programs: CDP, IRDP, MGNREGA, NRLM, PMGSY, and current schemes.
- Role of institutions: NIRDPR, NABARD, KVIC, DRDA.

Unit V – Education, Communication, and Contemporary Issues

- Educational psychology: learning, motivation, and attitude in rural context.
- Communication process: types, elements, and barriers in rural communication.
- Role of extension education in rural development.
- Contemporary issues: rural employment, migration, gender equity, poverty alleviation.
- ICT in rural development: Digital India, Smart Villages, and e-Governance.
- Sustainable rural livelihoods and climate-resilient development

Suggested Text / Reference Books:

1. Katar Singh (2016): *Rural Development: Principles, Policies & Management*, SAGE Publications.
2. A.R. Desai (2010): *Rural Sociology in India*, Popular Prakashan.
3. S.V. Prasad (2006): *Fundamentals of Rural Sociology and Educational Psychology*, ANGRAU.
4. Rajneesh Rajoria (2011): *Rural Sociology and Educational Psychology*, S.V. Agricultural College, Tirupati.
5. B.S. Bhatia (2003): *Rural Development Management*, B.R. Publishing.

SEMESTER-I

Course 2. Basics of Rural Development and Rural Sociology (Practical)

Credits: 1

2 hrs./week

Practical / Field Work

1. Visit to rural communities to study social and economic structure.
2. Preparation of village social and resource maps.
3. Study of Panchayati Raj Institutions and SHGs through case studies.
4. Observation of rural leadership and communication patterns.
5. Field report on any rural development program or project.
6. Group presentation and viva based on field exposure.

SEMESTER II

COURSE 3: Fundamentals of Soil Science and Soil Fertility Management (Theory)

Credits: 3

3 hrs./week

Course Objectives:

1. Introduce students to the basic principles of soil formation, classification, and properties.
2. Explain the physical, chemical, and biological characteristics of soils influencing plant growth.
3. Provide knowledge of soil fertility, essential plant nutrients, and soil fertility evaluation methods.
4. Develop understanding of soil management and conservation techniques for sustainable agriculture.
5. Equip students with practical skills for soil sampling, analysis, and fertilizer management at the farm level.

Course Outcomes:

After successful completion, students will be able to:

- CO 1:** Describe the processes of soil formation, components, and classification systems.
- CO 2:** Analyze soil physical, chemical, and biological properties affecting fertility and productivity.
- CO 3:** Identify essential plant nutrients and understand their roles, deficiencies, and management.
- CO 4:** Recommend soil fertility improvement and fertilizer management practices for different cropping systems.
- CO 5:** Apply field and laboratory techniques for soil testing, fertility evaluation, and nutrient management planning.

UNIT I – Introduction to Soil Science

- Definition, importance, and functions of soil in agriculture and ecosystems
- Soil formation: weathering of rocks, soil forming factors, and processes
- Soil profile and horizons
- Soil components: mineral, organic matter, water, and air
- Classification of soils of India (with emphasis on major soil types of the region)

UNIT II – Physical Properties of Soils

- Soil texture, structure, bulk density, and porosity
- Soil color and temperature
- Soil water: forms, movement, and retention
- Soil air and its importance in plant growth
- Soil consistency and tilth — management for good soil health

UNIT III – Chemical and Biological Properties of Soils

- Soil reaction (pH), saline, sodic, and acid soils
- Soil colloids and cation exchange capacity (CEC)
- Soil organic matter and its role in fertility
- Soil microorganisms and biological activity
- Nitrogen fixation and nutrient cycling processes

UNIT IV – Soil Fertility and Plant Nutrition

- Concept of soil fertility and productivity
- Essential plant nutrients: classification and functions
- Nutrient deficiency symptoms and their identification in crops
- Factors affecting soil fertility
- Soil fertility evaluation methods (soil testing, plant analysis, and biological indicators)

UNIT V – Soil Fertility Management

- Principles of fertilizer use and integrated nutrient management (INM)
- Organic manures: types, composition, and benefits
- Chemical fertilizers: types, methods of application, and efficient use
- Biofertilizers and green manuring
- Soil and water conservation practices for maintaining soil fertility
- Site-specific nutrient management and precision farming concepts

Suggested reference/text books:

1. Brady, N.C. & Weil, R.R. (2017). *The Nature and Properties of Soils*. Pearson.
2. Sehgal, J. (2013). *Soils of India: World Reference Base for Soil Resources*. IARI, New Delhi.
3. Tisdale, S.L., Nelson, W.L., Beaton, J.D. & Havlin, J.L. (2011). *Soil Fertility and Fertilizers*. Pearson.
4. Yawalkar, K.S., Agarwal, J.P. & Bokde, S. (2019). *Manures and Fertilizers*. Agri-Horticultural Publishing.
5. Indian Council of Agricultural Research (ICAR). (Latest). *Soil Science and Agronomy Handbooks*.
6. Gupta, P.K. (2018). *Soil, Plant, Water and Fertilizer Analysis*. Agrobios, India.
7. FAO (2021). *Guidelines for Sustainable Soil Management*

SEMESTER II

COURSE 3: Fundamentals of Soil Science and Soil Fertility Management (Practical)

Credits: 1

2 hrs./week

.....

Practical syllabus:

- Study of soil profile and horizon identification in the field
- Collection and preparation of soil samples for laboratory analysis
- Determination of soil texture by feel and hydrometer methods
- Measurement of soil pH, EC, and organic carbon, NPK
- Study of Soil microflora
- Identification of nutrient deficiency symptoms in plants
- Preparation and application of compost and FYM
- Calculation of fertilizer doses based on nutrient requirement
- Visit to Soil Testing Laboratory / Krishi Vigyan Kendra (KVK)

SEMESTER II

COURSE 4: Fundamentals of Entomology (Theory)

Credits: 3

3 hrs./week

Course Objectives:

- Introduce the science of entomology and its importance in agriculture and ecosystems.
- Familiarize students with insect morphology, anatomy, classification, and life cycles.
- Explain the role of insects in pollination, decomposition, and as pests of crops.
- Provide knowledge on integrated pest management (IPM) and safe pest control practices.
- Develop practical skills for insect collection, preservation, identification, and damage assessment.

Course Outcomes (CO):

CO 1: Define and explain the fundamentals of insect biology and classification.

CO 2: Identify major insect orders and agriculturally important species.

CO 3: Describe the external and internal structure of insects and their physiological systems.

CO 5: Understand the nature of insect pests, beneficial insects, and their management principles.

CO 5: Apply practical methods for insect collection, identification, and eco-friendly pest management.

UNIT I – Introduction to Entomology

- History and scope of entomology in agriculture
- Importance of insects in nature and farming systems
- General characteristics of insects and distinguishing features from other arthropods
- Role of insects in agriculture: pollinators, decomposers, and pests

UNIT II – Insect Morphology

- External body segmentation: head, thorax, and abdomen
- Structure and functions of insect mouthparts, antennae, legs, and wings and wing coupling apparatus.
- Modifications of body parts related to feeding and habitat
- Structure and functions of insect cuticle
- Types of metamorphosis and development stages (egg, larva/nymph, pupa, adult)

UNIT III – Internal Anatomy and Physiology

- Digestive, circulatory, respiratory, excretory, and nervous systems in insects
- Endocrine and reproductive systems – structure and functions
- Insect sense organs and behavior (communication, mating, aggregation)
- Physiology of growth, development, and molting

UNIT IV – Classification and Identification of Insects

- System of classification and nomenclature in insects
- Key characteristics of major insect orders: Orthoptera, Hemiptera, Lepidoptera, Coleoptera, Diptera, Hymenoptera.
- Important insect pests of field crops, horticultural crops, and stored products
- Beneficial insects: pollinators, predators, parasitoids, and decomposers

UNIT V – Insect Ecology and Integrated Pest Management

- Introduction to Insect Ecology: Scope, importance, ecological concepts, insect–environment relationships.
- Insect Population Dynamics: Factors influencing population growth, biotic and abiotic regulation, population forecasting.
- Insect Behavior and Habitat Relations: Migration, dispersal, feeding behavior, host selection, and ecological niches.
- Ecosystem Interactions: Food chains, food webs, trophic levels, predator–prey relationships, and natural enemies of pests.
- Principles of Integrated Pest Management (IPM): Concept, components, economic threshold levels (ETL), and decision-making.
- IPM Strategies and Tools: Cultural, mechanical, biological, chemical control methods; biopesticides; pheromones; ecological engineering.

Suggested Reference/Text Books:

1. Richards, O.W. & Davies, R.G. (2010). *Imms' General Textbook of Entomology*. Chapman & Hall.
2. Dhaliwal, G.S. & Singh, R. (2018). *Elements of Economic Entomology*. Kalyani Publishers.
3. Pedigo, L.P. & Rice, M.E. (2015). *Entomology and Pest Management*. Pearson.
4. Atwal, A.S. & Dhaliwal, G.S. (2017). *Agricultural Pests of South Asia and Their Management*. Kalyani Publishers.
5. Borror, D.J., Triplehorn, C.A. & Johnson, N.F. (2017). *An Introduction to the Study of Insects*. Saunders College Publishing.
6. ICAR (Latest). *Entomology Handbooks and Pest Management Manuals*.

SEMESTER II

COURSE 4: Fundamentals of Entomology (Practical)

Credits: 1

2 hrs./week

PRACTICAL SYLLABUS

- Familiarization with insect collecting, pinning, and preservation techniques
- Study of insect morphology using specimens and diagrams
- Identification of important insect orders and representative species
- Observation of insect mouthparts and wings under microscope
- Preparation of an *Insect Collection* (minimum 25–30 specimens)
- Preparation of permanent mounts of different body parts and their appendages of taxonomic importance including male and female genitalia.
- Dissection of digestive system in insects (Grasshopper)
- Sampling techniques for estimation of insect population and damage.
- Field visits to crop fields, horticultural farms, and storage units to study pest damage symptoms
- Demonstration of IPM tools (light traps, pheromone traps, bio-control agents)



Prof. S B Padal



Prof P Pradeep Kumar



B Surendra Sagar



Dr A K Tripathy



Miss S Preethija



E Pardha Saradhi Ayyangar



M Asha Pallavi



P Akshitha

Annexure-3

SPACES Degree College (A), Payakaraopeta
Department of Agriculture
Board of Studies for UG Studies:
B.Sc. Hons. Agriculture and Rural Development Single Major

Evaluation pattern

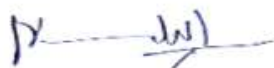
S. No	Theory / Practical	Marks
1	Theory Component	100
2	Practical Component	50

Internal & External Assessment

S. No	Assessment	Marks
1	Internal Assessment	30
2	Semester End Examination	70

Assessment and Qualifying Marks

S. No	Assessment	Total Marks	Qualifying Marks
1	Internal Assessment	30	12
2	Semester End Exam - Theory	70	28
3	Semester End Exam- Lab	50	20



Prof. S B Padal



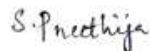
Prof P Pradeep Kumar



B Surendra Sagar



Dr A K Tripathy



Miss S Preethija



E Pardha Saradhi Ayyangar



M Asha Pallavi



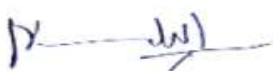
P Akshitha

Internal Assessment Breakup

S. No	Activity	Marks Allotted
1	Mid -term Examination 1	10
2	Mid -term Examination 2	10
3	Student Seminars & Assignments	05
4	Attendance	05

Rubrics for Awarding Attendance marks

S. No	Attendance Percentage	Marks allotted
1	75%	1
2	76 – 80 %	2
3	81 – 85 %	3
4	86 – 90 %	4
5	90.01 to 100 %	5



Prof. S B Padal



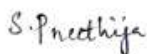
Prof P Pradeep Kumar



B Surendra Sagar



Dr A K Tripathy



Miss S Preethija



E Pardha Saradhi Ayyangar



M Asha Pallavi



P Akshitha

Annexure – 4

SPACES Degree College (A), Payakaraopeta
Department of Agriculture
Board of Studies for UG Studies:
B.Sc. Hons. Agriculture and Rural Development Single Major

Blue Print for Internal Examinations – Mid-term Exams

I B.Sc. Semester -I & II

W.e.f 2025- 2026 Admitted Batch

Time: 2 Hrs.

Max. Marks: 50

Section	Category	Marks for Each Question	Question to be given	Questions to be Answered	Marks
A	Essay Questions	10	6 Questions	3 Questions	3 x10 = 30M
B	Short Answer Questions	5	7 Questions	4 Questions	5 x 4 =20M
Total	-	-	13 Questions	10 Questions	50 M

Model Question Paper

Section – A

I. Answer the following Questions

3 x 10 = 30M

1. Essay question

(Or)

2. Essay question

3. Essay question

(Or)

4. Essay question

5. Essay question

(Or)

6. Essay question

II. Write any four of the following

5 x 4 = 20M

1. Short answer

2. Short answer

3. Short answer

4. Short answer

5. Short answer

6. Short answer

7. Short answer

Annexure – 5
SPACES Degree College (A), Payakaraopeta
Department of Agriculture
Board of Studies for UG Studies:
B.Sc. Hons. Agriculture and Rural Development Single Major

I B.Sc. SEMESTER – I & II

W.e.f 2025- 2026 Admitted Batch

Blue Print for Semester End Examinations – Theory Paper

Time: 3 Hrs

Max. Marks: 70

Section	Category	Marks for Each Question	Question to be given	Questions to be Answered	Marks
A	Essay Questions	10	10 Questions	5 Questions	5 x10 = 50M
B	Short Answer Questions	5	8 Questions	5 Questions	5 x 4 =20M
Total	-	-	18 Questions	10 Questions	70 M

Distribution Pattern of Essay and Short Answer Questions among the 5 Units

Unit	Essay Questions to be Given	Essay Questions to be answered	Short Answer Questions to be given	Short Answer questions to be answered
1	2	1	2	5 Questions
2	2	1	2	
3	2	1	2	
4	2	1	1	
5	2	1	1	

SPACES Degree College (A), Payakaraopeta
Department of Agriculture
Board of Studies for UG Studies:
B.Sc. Hons. Agriculture and Rural Development Single Major

Model Question Paper -Theory

I B.Sc. SEMESTER – I & II

W.e.f 2025- 2026 Admitted Batch

Time: 3 Hrs.

Max. Marks: 70

SECTION – A

I. Answer all the questions.

5 x 10 = 50M

1. Essay Question from unit 1
(Or)
2. Essay Question from Unit 1
3. Essay Question from Unit 2
(Or)
4. Essay Question from Unit 2
5. Essay Question from Unit 3
(Or)
6. Essay Question from Unit 3
7. Essay Question from Unit 4
(Or)
8. Essay Question from Unit 4
9. Essay Question from Unit 5
(Or)
10. Essay Question from Unit 5

SECTION – B

II. Answer any five of the following questions

5 x 4 = 20M

1. Short Answer question from Unit 1
2. Short Answer question from Unit 1
3. Short Answer question from Unit 2
4. Short Answer question from Unit 2
5. Short Answer question from Unit 3
6. Short Answer question from Unit 3
7. Short Answer question from Unit 4
8. Short Answer Question from Unit 5

SPACES Degree College (A), Payakaraopeta
Department of Agriculture
Board of Studies for UG Studies:
B.Sc. Hons. Agriculture and Rural Development Single Major

Model Question Paper -Practical

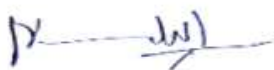
I B.Sc. SEMESTER – I & II

W.e.f 2025- 2026 Admitted Batch

Time: 3 Hrs.

Max. Marks: 50

1.Major Experiment	25 marks
2.Minor Experiment	15 Marks
3. Viva	05 Marks
4. Record	05 Marks



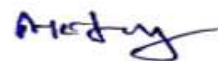
Prof. S B Padal



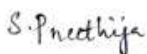
Prof P Pradeep Kumar



B Surendra Sagar



Dr A K Tripathy



Miss S Preethija



E Pardha Saradhi Ayyangar



M Asha Pallavi



P Akshitha

Annexure -6

SPACES Degree College (A), Payakaraopeta

Department of Agriculture

Board of Studies for UG Studies – B.Sc., Hons. Agriculture and Rural Development Single Major

QUESTION PAPER SETTERS & EXAMINERS PANEL

Sl No.	Name	Designation	Address
1	Dr P Pradeep Kumar	Assistant Professor (Horticulture)	Dr YSR Horticultural University, Parvathi Puram, Manyam District, Andhra Pradesh
2	Dr B V G Prasad	Assistant Professor (Horticulture)	Dr YSR Horticultural University, Parvathi Puram, Manyam District, Andhra Pradesh
3	Dr B Sujatha	Assistant Professor (Entomology)	Dr YSR Horticultural University, Parvathi Puram, Manyam District, Andhra Pradesh
4	Sri B Surendra Sagar	Assistant Professor(Agriculture)	Ideal College of Arts & Science, Kakinada
5	Dr Mrs. G Adishesu	Assistant Professor(Botany)	St. Anns College for Women(A) , Malkapuram, Visakhapatnam
6	P Pritam Kumar	Assistant Professor((Agriculture))	Pydah Degree College, Kakinada
7	GORLA VENKATA RAJU	Assistant Professor (Agriculture)	Ideal College of Arts and Sciences, Kakinada.
8	Korupakala Srinu	Assistant Professor (Agriculture)	St. Josep's College for Women(A) , Gnanapuram, Visakhapatnam
9	Guru Dhananjaya	Assistant Professor (Agriculture)	St. Josep's College for Women(A) ,Gnanapuram, Visakhapatnam
10	K.V.G.K. Vara Prasad	Lecturer in Botany	Govt Degree College , TUNI



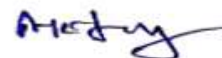
Prof. S B Padal



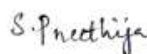
Prof P Pradeep Kumar



B Surendra Sagar



Dr A K Tripathy



Miss S Preethija



E Pardha Saradhi Ayyangar



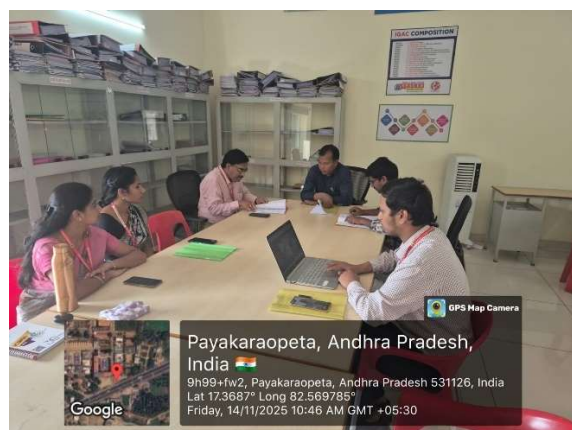
M Asha Pallavi



P Akshitha

SPACES Degree College (A), Payakaraopeta
Department of Agriculture
Board of Studies for UG Studies –
B.Sc., Hons. Agriculture and Rural Development Single Major

Date: 14-11-2025



Date: 14-11-2025

Time: 10:00 AM – 1:00 PM

Hybrid

Google Meet Link :

meet.google.com/dxv-qaun-abj

SPACES Degree College (A), Payakaraopeta
Department of Agriculture
Board of Studies for UG Studies –
B.Sc., Hons. Agriculture and Rural Development Single Major

Date: 14-11-2025

S. No	Category of the Member	Name of the Member	Designation	Signature
1	University Nominee	Prof. S.B. Padal	Professor, Department of Botany, Andhra University, Visakhapatnam	
2.	Industry Expert	Dr. Venkatesh Devanur	CEO, Agri-life (India) Private limited	
3.	Subject Expert-1	Dr. P. Pradeep Kumar	Asst. Professor, College of Horticulture, Dr. YSR Horticultural University.	
4.	Subject Expert-2	Sri B. Surendra Sagar	Lecturer In Agriculture, Ideal College of Arts & Sciences, Kakinada	
5.	BOS Chairman	Dr. A.K Tripathy	HOD, Botany SPACES Degree College(A), P.R. Peta	
6.	Member	Miss. M. Asha Pallavi	Assistant Professor, SPACES Degree College(A), Payakaraopeta	
7.	Member	Sri E. Pardha Saradhi Ayyangar	Lecturer, SPACES Degree College(A), Payakaraopeta	
8.	Member	Miss. P. Akshitha	Lecturer, SPACES Degree College(A), Payakaraopeta	
9	Student Alumni	Miss S. Preethija	-	


 Dean
 Academics
 DEAN
 ACADEMICS
 SPACES DEGREE COLLEGE (A)
 PAYAKARAOPETA


 CO-ORDINATOR
 IQAC
 SPACES DEGREE COLLEGE
 PAYAKARAOPETA - 531126



A.R. R. Reddy
 PRINCIPAL
 SPACES DEGREE COLLEGE
 PAYAKARAOPETA

