



**SRI MANAKULA VINAYAGAR**  
**ENGINEERING COLLEGE**  
(An Autonomous Institution)

Puducherry

**SCHOOL OF AGRICULTURAL SCIENCES**

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**ACADEMIC REGULATIONS 2021**  
**(R-2021)**

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**B.Sc. (Hons.) Agriculture/Horticulture**





## TABLE OF CONTENTS

1. Regulations	1
2. Short Title and Commencement	1
3. Definitions	1
4. Eligibility for Admission to B.Sc. (Hons.) Agriculture/Horticulture Degree Programme	5
5. System of Education	7
6. Attendance Requirements	7
7. Evaluation of Student's Performance	8
8. Registration of Elective / Experiential Learning Programme (ELP) Courses	17
9. Malpractices In Examination	17
10. Study Tours	17
11. Discontinuance and Readmission	18
12. Calculation of Cumulative Grade Point Average (CGPA)	18
13. Award of Degree	19
14. Removal of Difficulties	20
15. Guidelines for Setting the Question Paper for External Theory Examination	20
16. Question Paper Pattern for End semester (Final) Theory Examination	21





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**REGULATIONS 2021**  
**B.Sc. (Hons.) Agriculture / Horticulture**

**1. REGULATIONS**

The Regulations provided herein shall apply to B.Sc. (Hons.) Agriculture / Horticulture Degree Programmes offered by the School of Agricultural Sciences, Sri Manakula Vinayagar Engineering College. The system of Instructions and education in the Institution shall be SEMESTER COURSE CREDIT SYSTEM.

**2. SHORT TITLE AND COMMENCEMENT**

These regulations shall be called "***Under Graduate (Agricultural Sciences) Academic Rules and Regulations 2021***" They shall come into force from the academic year 2021- 2022 onwards.

**3. DEFINITIONS**


**3.1 'University'** means the Pondicherry University, Puducherry

**3.2 'Institution'** means the School of Agricultural Sciences, Sri Manakula Vinayagar Engineering College, Puducherry.

**3.3 'Dean'** means the Dean, School of Agricultural Sciences, Sri Manakula Vinayagar Engineering College, Puducherry.

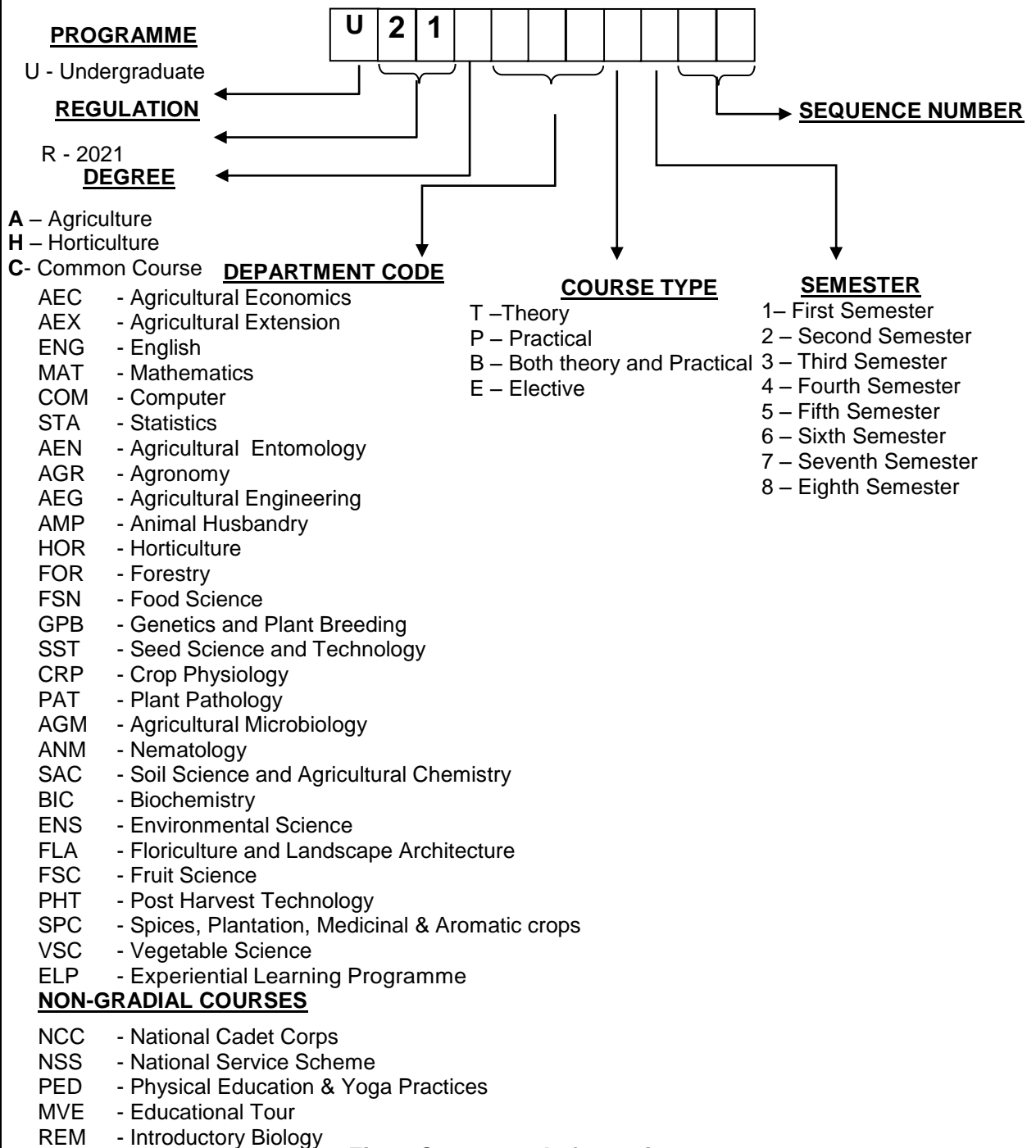
**3.4 'Coordinator'** means a Faculty who has been nominated by the Dean to look after the academic matters of the different years of the B.Sc.(Hons.) Agriculture/Horticulture Degree programme. He / She will attend to registration, preparation of time table, distribution of courses, regulation of credit load and maintenance of individual student's records of the concerned batch.

**3.5 'Academic Counselor'** means a Faculty who has been nominated by the Dean for counseling a group of students in academic matters. The Dean of the college will arrange to allot not less than five students to the nominated Academic Counselor. The Academic Counselor will counsel the group of students in curricular and co-curricular activities for the entire period of course programme by conducting periodical meetings.

  
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**3.6 'Curriculum'** is a group of courses and other specified requirements for the fulfillment of the Degree Programme.

**3.7 'Curricula and Syllabi'** are a list of approved courses for the Degree Programme wherein each course is identified with a eleven-letter code and outline of syllabus and credit assigned. The course is denoted by a unique code consisting of 11 alphanumeric characters as shown in Fig. 1.



**Fig. 1 Course code formation**

**3.8 'Semester'** means a period consisting of **110 working days** inclusive of the mid-semester and practical examinations but excluding the study holidays and End semester (final) theory examinations. For a short (condensed) semester, the number of classes shall be increased proportionately so as to complete the syllabus.

**3.9 'Academic Year'** means a period consisting of two consecutive semesters including the inter-semester break as announced by the Institution/Dean of the College. The first year of study shall be the first and second semesters following a student's admission. The second year of study shall be the third and fourth semesters, the third year, the fifth and sixth semesters and the fourth year, the seventh and eighth semesters.

**3.10 'Course'** is a teaching unit of a discipline to be covered within a semester as detailed in the Curricula and Syllabi issued by the Institution.

**3.11 'Core Course'** means the list of courses specified by the Institution in the curricula and syllabi to be registered compulsorily by the students of B.Sc. (Hons.) Agriculture / Horticulture degree programme.

**3.12 'Elective Course'** means the list of specified courses offered by various disciplines from which the students can have the option of selecting the courses to complete the credit requirements for the degree programme. Elective courses are offered in IV, V and VI semesters.

**3.13 'Experiential Learning Course'** means that learning and development are achieved through personally determined experience and involvement, rather than on received teaching or training typically in group, by observation, study of theory or hypothesis, and bring in innovation or some other transfer of skills or knowledge. Experiential learning is a business curriculum – related endeavor which is interactive. Experiential Learning courses are the list of specified courses offered by various disciplines from which the students can have the option of selecting the courses to complete the credit requirements for the degree programme. Experiential Learning courses are offered in VIII semester (IV year).

**3.14 'Remedial (Biology) course'** means a course (Biology) which shall be offered to those students admitted through ICAR and not studied biology/agriculture/forestry in their HSC/intermediate programme and shall be offered in I semester.

**3.15 'Non-Gradual course'** means a course which is compulsorily registered by the student for the completion of B.Sc. (Hons.) Agriculture / Horticulture degree programme. The non-gradual course will be evaluated as Satisfactory or Not-satisfactory. The marks obtained by the student in a non-gradual course will not be taken into account for calculating CGPA.

**3.16 'Credit Load'** of a student during a semester is the total number of credits of all the courses including non-gradual courses, a student registers during that particular semester.

**3.17 'A credit'** in theory means one hour of class room lecture and a credit in practical means two and half hours of laboratory or workshop or field work per week.

*Explanation:* A 1+1 course (2 credits) means 1 hour theory and 2½ hours practical per week.

A 0+1 course (1 credit) means 2½ hours practical per week

A 1+0 course (1 credit) means 1 hour theory per week

**3.18 'Grade Point'** means the total marks in percentage obtained in a course divided by 10 and rounded to two decimal places.

**3.19 Course Teacher:** The Dean in consultation with respective Heads of Department will nominate the course teacher for each course at the beginning of the semester. The course teacher shall be responsible in all matters connected with the conduct of the course. The Dean/Head of the Department will monitor the progress of the course(s).

**3.20 Class Time Table:** At the beginning of each semester, the Dean will prepare the class time table with the help of Coordinator of the respective admission year (batch of students) and announce the same.

**3.21 Working days:** Except Sundays and other listed holidays, all other days of a week including Saturdays are working days for the students.

**3.22 Commencement and Closure of Semesters:** The date of commencement and closure of semesters as well as inter-semester break and schedule of End semester (final) theory examinations shall be announced by the Dean / Controller of Examination (CoE). The first semester of respective academic year should commence preferably in June or July of every year.

**3.23 Academic Calendar:** A common academic calendar shall be prepared by the Dean every semester indicating the date of registration, date of mid semester examinations, End semester practical and theory examinations, inter semester break and summer holidays. The Dean shall schedule the academic activities within the specified period without deviation.

### **3.24. REGISTRATION OF COURSES**

A course shall be offered only once in an academic year during the semester as listed in the course curricula and syllabi. All eligible candidates shall register the requisite courses in the beginning of each semester under the guidance of the Coordinator in an online/offline mode. The list of students and courses registered in each semester shall be sent by the Dean to the Controller of Examinations for conducting End semester (final) examinations and preparation of Report Cards.



**3.25 ISSUE OF HALL TICKETS**

The students shall be issued with hall tickets for writing their examinations and End semester (final) theory/practical examinations.

In case of loss of hall tickets by the students, duplicate hall ticket shall be issued on payment of a fine. The students who have lost/missed their hall tickets shall apply to COE through the Dean for getting a duplicate hall ticket.

**3.26 'Credit Point'** means the grade point multiplied by the credit load of the course.

**3.27. Semester Grade Point Average (SGPA)** is the weightage of average grade points of courses in a semester.

**3.28 'Cumulative Grade Point Average (CGPA)'** means the total credit point of the courses completed by the student divided by total credits of the courses studied. The CGPA is to be worked out by rounding to nearest two decimals.

**3.29 'Arrear examination'** is an examination written for the failed courses by a student without undergoing regular classes.

**3.30 'Statement of marks'** means a report of grades, credit points, SGPA and CGPA obtained by a student in a particular semester.

**3.31 'Transcript Card'** is the consolidated report of academic performance of a student issued by the Institution on completion of the curriculum fulfilment.

#### 4. ELIGIBILITY FOR ADMISSION TO B.Sc. (Hons.) Agriculture / Horticulture DEGREE PROGRAMME

##### 4.1 H.Sc. / Equivalent - Academic Stream

A pass in the Higher Secondary Course (10+2) or any other examination recognized as equivalent there to and fulfilling the following subject requirements.

##### **B.Sc. (Hons.) Agriculture:**

- a) : Physics, Chemistry, Mathematics, Biology
- b) : Physics, Chemistry, Biology / Botany & Zoology
- c) : Physics, Chemistry, Agriculture

##### **B.Sc. (Hons.) Horticulture:**

- a) : Physics, Chemistry, Mathematics, Biology
- b) : Physics, Chemistry, Biology / Botany & Zoology
- c) : Physics, Chemistry, Agriculture
- d) : Physics, Chemistry, Forestry

For drawing the merit of the candidate, the marks scored in three subjects viz., physics, chemistry and biology (or mean of botany and zoology) shall be considered. If a candidate had studied four subjects in 10+2 or intermediate viz., physics, chemistry, biology and agriculture/forestry the marks scored in physics, chemistry and biology shall be considered for drawing merit list.

**4.2 H.Sc. - Vocational Stream (For U.T. of Puducherry candidates only)**

Two seats are exclusively reserved for candidates under Vocational Stream (Agriculture) for admission to B.Sc. (Hons.) Agriculture degree programme only. They are not considered under general merit and any of the reservation categories. Candidates who studied any one of the subjects, namely Biology or Chemistry or Economics or Home Science and Vocational subjects including theory and practical indicated below are eligible to apply for the degree of B.Sc.(Hons.) Agriculture.

Agricultural Chemicals/ Crop Production / Crop Protection/ Small Farm Management/ Sericulture & Apiculture/ Vegetable and Fruits / Spices & Plantation crops Floriculture & Medicinal Plants / Home Science.

**Other State Vocational stream students are not eligible to apply.**

**4.3 Eligible Minimum Qualifying Marks (Academic Stream)****i) U.T. of Puducherry: For Open Competition:**

OC / Open General - 50% in aggregate of all three subjects

**For Other Backward Class:**

OBC / Backward Class Muslim (BCM) / Most Backward Class (MBC) / Extreme Backward Class (EBC) / Backward Tribe (BT)/Scheduled Caste (SC) / Scheduled Tribe (ST) - 40% aggregate of all the subjects

**ii) Other State / Other U.Ts.**

For SC/ST - 40% aggregate of all the three subjects

All Other Communities - 50% aggregate of all the three subjects

**4.4 Number of Attempts to pass**

For the purpose of qualifying examination marks, the maximum number of attempts to pass and maximum number of improvement examination for admission to B.Sc. (Hons.) Agriculture/Horticulture course are as follows:

Community	Maximum number of attempts to pass*	Maximum number of improvement
Scheduled Castes/ Scheduled Tribes	Three	One
All other Communities	Two	One

\* including first appearance

**4.5. Age limit**

A candidate should not have completed the age of 21 years on the first day of July of the admission year. However, for Scheduled Castes / Scheduled Tribes, physically challenged and NRI candidates the upper age limit is 25.

## 5. SYSTEM OF EDUCATION

**5.1** The system of education (Medium of Instruction will be in **ENGLISH**) followed for B.Sc. (Hons.) Agriculture/Horticulture degree programme is **Semester System** with duration of four academic years (8 Semesters). The maximum duration permissible for a student shall be 14 consecutive semesters (seven years).

**5.2 Credit requirements:** The minimum credit requirement for B.Sc. (Hons.) Agriculture/Horticulture Degree Programme is 183 (including 4 credits of non gradial courses).

**5.3 Maximum credit load:** A student can register a maximum of 25 credits including non- gradial courses during a semester.

**5.4 Condensation of semesters:** The Dean has the responsibility to adhere to the Academic Calendar. However, under extraordinary situation and with the permission of the Institution condensation of semester may be made up to a maximum of 10 days to cope up for examination schedule. The loss of classes in such cases should have to be compensated by special time table.

## 6. ATTENDANCE REQUIREMENTS

### 6.1 Minimum Attendance requirement:

- i. A minimum of 75 percent attendance separately in theory and practical of the concerned course is required, failing which the student shall not be permitted to appear for both End semester (final) theory and practical examinations in the course concerned and grade 'E' (incomplete) will be awarded.
- ii. For Student READY programme, 100 percent attendance is compulsory. However, the attendance may be condoned up to 15 percent, under extra-ordinary situations, by the Dean based on the genuineness of the case and upon the recommendation of the concerned course teacher and Head of the Department.
- iii. When the grade 'E' is awarded in a course, the student must re-register the course again along with juniors or whenever that particular course is offered, with the permission of the Institution

**6.2** The students failing to attend the classes / examinations on non-official ground will be treated as absent.

**6.3** Students deputed for sports, cultural meets, etc. with prior permission of the Dean of the college shall be given attendance for the period of absence. However, students under this category must have attended a minimum of 50 percent classes in the total theory and practical classes conducted.

**6.4 Calculation of Attendance****a) THEORY:**

- i. Number of classes conducted for a course from the first working day as per the time table to the last theory class of that semester is to be construed as the total number of theory classes conducted by the course teacher.
- ii. The mid-semester examinations are normally conducted during class hours.
- iii. The attendance for mid semester examination will be counted as a theory class for calculating attendance.

**b) PRACTICAL:**

- i. Number of practical classes conducted for a course from the first working day as per the time table to the last practical class of that semester is to be construed as the total number of practical classes conducted by the course teacher.

**6.5** For calculating 75 percent attendance, the number of working days may be calculated only from the date of joining of the student for first year first semester only.

**7. EVALUATION OF STUDENT'S PERFORMANCE**

**7.1 i.** It shall be the responsibility of the teacher(s) to ensure that the topics to be covered in the theory and practical in each course are recorded through a lecture / practical schedule distributed to the students at the beginning of each course.

**ii.** The Head of the Department / Dean shall ensure that the schedule is adhered to and alternate arrangements are made to cover up the loss in case of any eventualities of unavoidable reasons that lead to non-adherence of the above schedule.

**7.2** The examination shall be conducted to assess whether the student has been able to achieve a level of competence in the course concerned.

**7.3 Grade Point:**

- i. Each course shall carry a maximum of 100 marks. The results of the course shall be indicated by the grade points ranging from 0 to 10. The total marks in percentage obtained by the student in a course shall be divided by 10 and rounded to two decimal places to get the grade point.
- ii. The minimum Grade Point to be secured for the successful completion of a course shall be 5.00.
- iii. In case of courses with theory and practical, minimum of 50% mark separately in theory and practical with an aggregate of 50 per cent is essential. Also, the student should secure a minimum of 50 per cent mark in the End semester (final) theory examination conducted by the Institution for securing a pass in a course.

**7.4** Securing a grade point less than 5.00 in a course will be treated as 'F' (Failed) and the Grade Point will be 0.00 for calculating the SGPA/CGPA. The following symbols may be used

E - INCOMPLETE (Lack of 75 % Attendance)

F - FAILED

RR - RE-REGISTRATION

**7.5 Distribution of marks**

- i. The weightage of marks shall be in the ratio of 50:50 respectively for external and internal examination. Each course shall carry a maximum of 100 marks.
- ii. The distribution of marks is indicated below.

Examination	Courses with theory and practical	Courses with only theory	Courses with only practical
<b>Internal</b>			
Mid-semester Examination	30	40	40
Practical Examination	15	--	50
Assignment/submission of specimens, etc.,	5	10	10
<b>External</b>			
End semester (Final) Theory Examination	50	50	-
<b>Total</b>	100	100	100

**7.6 Mid Semester Examination (Internal):**

- i. Writing the mid-semester examination is a pre-requisite for writing the End semester (final) theory and practical examinations. Student failing to write mid-semester examination, will not be permitted to attend the classes further in the course concerned and the student will be awarded 'E' grade.
- ii. The duration of mid-semester examinations will be one hour for courses with theory and practical (30 marks), one and half hours for courses with only theory (40 marks) and the mid-semester for courses involving only practical will be conducted in the regular practical class (40 marks).
- iii. The Dean with the help of the concerned year coordinator shall prepare and announce the schedule of mid-semester examinations.
- iv. The mid-semester examination shall be conducted and evaluated internally by the concerned course teacher(s).
- v. The mid-semester examination mark list should be sent by the course teacher to the office of the Dean and Controller within three days from the date of conduct of mid semester examination.

- vi. The marks for assignment shall be included in mid semester mark for the courses with only theory.

**7.7 Missing Mid-semester Examination:**

- i. A student missing mid-semester examination(s) with prior approval of the Dean due to unavoidable circumstances shall be permitted to take up missing examination of the particular course, subject to payment of the prescribed fee for each missing mid- semester examination.
- ii. Students deputed for official programmes of the College/Institution are exempted from paying the fee for missing test.
- iii. Such missing examinations should be completed outside regular class hours within 15 working days after the respective examinations.
- iv. Attendance will not be given for taking up missing examinations.
- v. The missing tests are allowed only for mid-semester examinations and not for End semester (final) theory and practical examinations.

**7.8 End semester (Final) Theory Examination: External**

- i. An examination schedule prepared by the Institution for End semester Theory Examinations shall be the final.
- ii. The theory examinations shall be conducted for 50 marks for a duration of two and half hours.
- iii. The End semester theory examinations shall be conducted by inviting question paper from appointed paper setters (external examiners).
- iv. The End semester theory examinations shall be conducted on such dates, time and places as per the schedule and must be completed so that the results are announced before the onset of the ensuing semester.

**7.9 Postponement of End semester (Final) Theory Examination:**

The postponement of End semester theory examination(s) on account of unexpected Government holidays or natural calamities shall be done as per the norms of the Institution.

**7.10 End semester (Final) Practical Examination (Internal):**

- i. The Controller of Examinations shall announce the schedule of End semester practical examinations.
- ii. The End semester practical examinations shall be conducted as per Academic Calendar.
- iii. For conducting End semester practical examination in each course, an *external examiner* (faculty of the Department other than the course teacher) shall be nominated by the Dean and the course teacher will be the *internal examiner*. In the

event of external / internal examiner nominated for practical examination could not conduct the examination, then the Dean shall nominate an alternative examiner to conduct practical examination.

- iv. Submission of bonafide practical records in complete form and certified by the Course Teacher is a pre-requisite for appearing in a practical examination failing which 'F' grade will be awarded.
- v. The duration of End semester practical examination shall be two and half hours.
- vi. The practical and oral (viva-voce) examinations shall be conducted by the internal and external examiners with mutual co-operation. They shall evaluate the candidates appearing at the examination according to their performance. The mark sheets so prepared shall be signed by both the examiners.
- vii. The practical marks should be submitted to Dean and Controller of Examinations within next working day.
- viii. The marks for assignment/specimen collection, etc., shall be included in End semester practical examination for the courses with theory and practical and courses with practical only.
- ix. If a student could not attend the NSS/NCC camp along with his batch, he/she may be permitted to attend the camp along with juniors if the student has secured more than 75% attendance in the course.

#### **7.11 Arrear examination:**

- i. The students are permitted to write the arrear examinations along with the regular semester examinations for the failed courses.
- ii. The prescribed arrear examination fee is to be paid on or before the date specified by the Institution.
- iii. Arrear examination is permitted for mid-semester, End semester theory or practical or their combinations
- iv. Arrear examination is not applicable to Student READY, Study tour and Crop production courses. If a student secures 'F' grade in these courses, he/she has to re- register the course along with the juniors as and when the course is offered with the approval of the Institution. For the courses involving only practical (other than Student Ready, Study tour and Crop Production), the arrear practical examination will be conducted for 100 marks and shall be reported as 40 marks (arrear mid semester = Marks scored x 40/100 ) and 60 marks (arrear End semester practical = Marks scored x 60/100).

- v. A student is permitted to write arrear examination any number of times within the stipulated time period of seven years (refer Rule 5.1).
- vi. The registration for the arrear examination shall be done on the date specified by the Institution.

**7.12.** The End semester theory examination (regular/arrear) answer book(s) shall be evaluated by the external examiner appointed by the Institution.

**7.13. Question paper pattern:**

- i. The question paper pattern for mid-semester (Internal) examination (regular/arrear) is indicated below:

**MID SEMESTER EXAMINATIONS**

**For course with theory and practical (1+1 or 2+1 courses)**

**(30 Marks & 1 hour duration)**

Part	Type of question	Number of questions	Number of questions to be answered	Mark per question	Total marks
A	Objective*	40	40	0.5	20
B	Short answers	6	5	2.0	10
<b>TOTAL</b>					<b>30</b>

**MID SEMESTER EXAMINATIONS**

**For course with only theory (1+0 or 2+0 courses)**

**(40 marks & duration 1.5 hours)**

Part	Type of question	Number of questions	Number of questions to be answered	Mark per question	Total marks
A	Objective*	40	40	0.5	20
B	Definitions / Concepts	8	6	1.0	6
C	Short answers	9	7	2.0	14
<b>TOTAL</b>					<b>40</b>

- ii. The question paper pattern for **External theory examination** (regular/arrear) is indicated below:



<b>External Theory Examination (50 Marks &amp; 2.5 hours duration)</b>					
<b>Part</b>	<b>Type of question</b>	<b>Number of questions</b>	<b>Number of questions to be answered</b>	<b>Mark per question</b>	<b>Total marks</b>
A	Objective*	40	40	0.5	20
B	Short answers	6	5	2.0	10
C	Essay type Answers (either or type)	5	5	4.0	20
<b>TOTAL</b>					<b>50</b>

\* Questions should be Fill-up the blanks, Choose the best option, True / False and Match the following type with equal number of questions in each type

- iii. For conducting practical examinations, the type and number of questions can be decided by the concerned internal and external examiners. Choice may be given to the extent of 20 % under subjective type questions.

**7.16. Evaluation of End semester (Final) Practical Examination:** For courses with theory and practical, the following distribution of marks shall be adopted in conducting the End semester practical examinations. The assignment marks shall be added to practical marks.

<b>Evaluation of Final Practical Examination</b>	<b>Marks</b>
Practical Field work / Lab Work / Written exam	10.0
Continuous evaluation and record	2.5
Viva Voce	2.5
<b>Total</b>	<b>15.0</b>
<b>Assignment</b>	<b>5.0</b>
<b>Grand Total</b>	<b>20.0</b>

**7.17. Evaluation of courses with only practical credits:**

- i. The evaluation of courses with only practical is grouped and mark distribution is given hereunder. The pattern of questions is to be decided by the course teacher (internal examiner) and External Examiner.
- ii. In the event of difference of opinion between internal and external examiner, the Dean shall decide the pattern of examination.

**7.17.1 Practicals involving only field work / lab work / Class room activities**

Particulars	Mid- semester (11/2 hours)	End semester (Final)
Field evaluation / Lab practical/ Written test	30	30
Viva – voce	10	10
Continuous evaluation and Record	-	10
Assignment / Specimen or insect collection etc.	-	10
<b>Total</b>	40	60

**7.17.2. Evaluation pattern for Student READY****a) B.Sc. (Hons.) Agriculture – Rural Agricultural Work Experience and Agro- Industrial Attachment (0+20)**

Sl. No.	Details	Daily Observation Note	Practical knowledge gained and interaction	Feedback from farmers /official	Total Marks (100)
1.	Village Attachment (30)	15	10	5	30
2.	Attachment with Dept. of Agri. / KVK / Res. Station (10)	4	3	3	10
3.	Attachment with Plant Clinic/ NGO (10)	4	3	3	10
4.	Attachment with Agro-Industry (10)	4	3	3	10
5.	Special activities/initiatives/ creativity under Sl. No. 1 - 4				10
6.	Overall conduct and discipline during the programme				10
7.	Report writing and presentation				20
<b>TOTAL</b>					<b>100</b>

**b) B.Sc. (Hons.) Horticulture – Rural Horticultural Work Experience Programme – Placement in Villages (0+10)**

Sl. No.	Details	Daily Observation Note	Practical knowledge gained and interaction	Feedback from farmers /official	Total Marks (100)
1.	Village Attachment (40)	20	15	5	40
2.	Attachment with Dept. of Agri. /KVK/Res. Station (10)	4	3	3	10
3.	Attachment with Plant Clinic/ NGO (10)	4	3	3	10
4.	Special activities/initiatives/ creativity under Sl. No. 1-4				10
5.	Overall conduct and discipline during the programme				10
6.	Report writing and presentation				20
<b>TOTAL</b>					<b>100</b>

**c) B.Sc. (Hons.) Horticulture – Rural Horticultural Work Experience Programme – Placement in Industries (0+10)**

S. No.	Particulars	Max. Marks
1.	Continuous evaluation	10
2.	Maintenance of daily observation book	20
3.	Exhibition and record submission	30
4.	Project preparation	20
5.	Presentation	10
6.	Viva voce	10
<b>Total</b>		<b>100</b>

**d) Evaluation pattern for Experiential Learning Programme**

S. No.	Parameters	Max. Marks
1.	Project Planning and Writing	10
2.	Presentation	10
3.	Regularity	10
4.	Monthly Assessment	10
5.	Output delivery	10
6.	Technical Skill Development	10
7.	Entrepreneurship Skills	10
8.	Business networking skills	10
9.	Report Writing Skills	10
10.	Final Presentation	10
<b>Total</b>		<b>100</b>

**7.17.4. PED (Non-Gradial course) \***

Particulars	I Sem	II Sem	III Sem	IV Sem	Average
Routine activities	60	60	60	60	60
Behaviour	10	10	10	10	10
Participation in tournaments	20	20	20	20	20
Viva-voce	10	10	10	10	10
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

*\*Evaluation shall be done for 100 marks at the end of each semester and the Grade Satisfactory (50 marks and above) / Not Satisfactory (less than 50 marks) shall be awarded at the end of IV semester based on average performance over four semesters.*

**7.17.5. NCC / NSS (Non-Gradial course) \*\***

Particulars	I Sem	II Sem	III Sem	IV Sem	Average
Routine activities	40	40	40	40	40
Behaviour	10	10	10	10	10
Participation in campus	20	20	20	20	20
Written Test	20	20	20	20	20
Viva-voce	10	10	10	10	10
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

*\*\* Evaluation shall be done for 100 marks at the end of each semester and the Grade Satisfactory (50 marks and above) / Not Satisfactory (less than 50 marks) shall be awarded at the end of IV semester based on average performance over four semesters.*

**7.17.6. Study tours (Non-Gradial courses) \*\*\***

Particulars	Marks
Written test for 2 hours	40
Behaviour (Punctuality and discipline)	25
Record (15 marks ) and Pocket Note Book (10 marks)	25
Viva-voce	10
<b>TOTAL</b>	<b>100</b>

\*\*\*Evaluation shall be done after the completion of tour and the Grade Satisfactory (50 marks and above) / Not Satisfactory (less than 50 marks) shall be awarded.

#### 7.18. Return of valued answer papers:

- i. The valued answer papers of mid-semester shall be shown to the students after the examination. Discrepancies if any, in awarding marks, the student can approach the teacher concerned immediately for rectification.
- ii. The answer paper should be retained with the course teacher till the results are published and confirmed for non-discrepancies.

#### 7.19. Revaluation / Re-totalling:

The revaluation / re-totalling is allowed as per the norms of Institution in force from time to time.

- i. Revaluation can be demanded only if a candidate has failed in not more than two courses in that session.
- iii. The prescribed revaluation fee per course has to be paid by the student.
- iv. The application for revaluation must be sent to the Controller of Examinations through the Head of the Institution.
- v. The application for revaluation should be made within 15 days from the date of declaration of results / publication of marks/grade.
- vi. A student may be allowed to get his/her answer book(s) re-totaled for which the student shall have to apply to Controller of Examination / Coordinator of Examinations within 15 days from the declaration of result and after paying the prescribed fee.
- vii. The controller of examinations/Coordinator of examinations shall arrange for the re-totalling of answer book(s).

### 8. REGISTRATION OF ELECTIVE / EXPERIENTIAL LEARNING PROGRAMME (ELP) COURSES:

- (i) The elective courses are to be registered by B.Sc. (Hons.) Agriculture students.
- (ii) Three elective courses are offered during IV, V and VI semesters.
- (iii) Experiential Learning Course shall be offered during VIII Semester.

### 9. MALPRACTICES IN EXAMINATION

The students found indulging in malpractices in examinations will be dealt as per the norms of the Institution in force from time to time.

### 10. STUDY TOURS

**10.1** All study tours are compulsory and those who miss the study tours for any reason, however valid may the reason be, must re-register and undertake the tour(s) along with juniors to complete the degree programme.

The study tour(s) shall be conducted as per the schedule notified by the Dean. The evaluation of the study tour shall be done by the course teacher(s) concerned by following the evaluation procedure applicable for study tours.

**10.2** The Dean is empowered to organize all study tours and field trips.

## 11. DISCONTINUANCE AND READMISSION

**11.1** The student who discontinues without getting permission from the Dean will not be re- admitted.

**11.2** A student discontinuing studies temporarily on valid and genuine grounds with prior permission of the Dean will be re-admitted with the permission of the Institution at the beginning of same semester along with junior batch of students, over and above the sanctioned strength. For re-admission, the student has to pay the prescribed re- registration fee and semester fee of junior batch in which the student is re-admitted.

**11.3** In case of revision of curricula and syllabi, the student has to complete all the course work in the original syllabus in which he/she has been admitted, by registering equivalent/special semester courses (or) the student has to forgo all the courses registered so far in the original curricula and syllabi and register all the courses from first semester in the new syllabus along with juniors.

**11.4** A student shall not be allowed to temporarily discontinue consecutively, beyond a period of two semesters. If the temporary discontinuance period exceeds two semesters, the name of the student will be removed from the roll.

**11.5** A student, who has discontinued and obtained the Transfer Certificate (TC) from the college, is not eligible for admission again to the College. An undertaking to this effect shall be obtained from the concerned student by the Dean at the time of discontinuation.

## 12. CALCULATION OF CUMULATIVE GRADE POINT AVERAGE (CGPA):

### 12.1 Grade Sheet

After declaration of results, grade sheets will be issued to each student, which will contain the following details:

- i. The College Name and Affiliating University.
- ii. The list of courses registered during the semester and the grades scored.
- iii. The Semester Grade Point Average (SGPA) for the semester.
- iv. The Cumulative Grade Point Average (CGPA) of all courses enrolled from first semester onwards.
- v. To arrive at the Cumulative Grade Point Average (CGPA) at the end of the semester, the Grade Point of each course is multiplied by the credit hours of the course to

obtain the credit points.

- vi. The sum of the credit points secured by the student in all the courses taken till the end of semester is divided by the total number of credit hours of the courses, provided that the credit hour and credit points of courses which are repeated are not counted more than once for this purpose.
- vii. The marks obtained by the student in a non credit course will not be taken in to account for calculating SGPA / CGPA.
- viii. While calculating CGPA, the credit hours of courses in which the student secured 'E' grade (for lack of 75% attendance) will be deducted since it will be repeated by re- registration.
- ix. The Credit Points, SGPA and CGPA shall be rounded to nearest two decimals.
- x. On completion of a semester, each student is assigned a Semester Grade Point Average which is computed as below for all courses registered by the student during that semester

$$\text{Semester Grade Point Average (SGPA)} = \frac{\sum_i (C_i \times GP_i)}{\sum_i C_i} \quad i = 1 \text{ to } n;$$

Where n= Number of credit courses in that semester.  $C_i$  is the Credit of  $i^{\text{th}}$  course in that semester and  $GP_i$  is the Grade Point earned by the student for that  $i^{\text{th}}$  course. The SGPA is rounded off to two decimals.

- xi. The overall performance of a student at any stage of the Degree programme is evaluated by the Cumulative Grade Point Average (CGPA) up to that point of time.

$$\text{Cumulative Grade Point Average (CGPA)} = \frac{\sum_i (C_i \times GP_i)}{\sum_i C_i} \quad i = 1 \text{ to } m;$$

Where m = Number of credit courses from 1<sup>st</sup> semester till the completed semesters,  $C_i$  is the Credit of  $i^{\text{th}}$  course of the completed semesters at that stage and  $GP_i$  is the Grade Point earned by the student for that  $i^{\text{th}}$  course.

### 12.2 Scheme for conversion of CGPA to Percentage (%) marks:

A scheme to convert the Cumulative Grade Point Average (CGPA) to Percentage (%) of marks is shown below:

$$\text{Percentage (\%)} \text{ marks} = \text{CGPA} \times 10$$

## 13. AWARD OF DEGREE

**13.1 Eligibility for the Award of the Degree:** The successful completion of all the prescribed courses as per the Curricula and Syllabi shall be the minimum requirement for the award of the Degree. In the degree certificate declaration of class shall be made.

**13.2 Class Ranking:** In calculation of Class equivalent for CGPA the following classification will be adopted.

CGPA	Class
8.00 and above	I class with distinction
7.00 to 7.99	I class
6.00 to 6.99	II class
5.00 to 5.99	Pass

#### 14. REMOVAL OF DIFFICULTIES:

**14.1** If any difficulty arises in giving effect to the Provisions of these regulations, the Head of the Institution may issue necessary orders which appear to him/her to be necessary or expedient for removing the difficulty.

**14.2** Every order issued by the Head of the Institution under this provision shall be laid before the Academic Council of the Institution immediately after the issuance.

**14.3** Notwithstanding anything contained in the rules and regulations, the Board of Studies or Academic Council shall make changes whenever necessary.

#### 15. GUIDELINES FOR SETTING THE QUESTION PAPER FOR EXTERNAL THEORY EXAMINATION

##### GUIDELINES FOR SETTING THE QUESTION PAPER FOR EXTERNAL THEORY EXAMINATION (FOR COURSES INVOLVING THEORY AND PRACTICAL/ ONLY THEORY)

1. Please prepare the **question papers for 50 marks** in such a way that the question paper shall contain **Part A (objective type questions)** for 20 marks and **Part B, & C (descriptive type questions)** for 30 marks as per the template enclosed.
2. Please see that questions are set within the course syllabus covering entire syllabus WITH EQUAL DISTRIBUTION FROM ALL THE FIVE UNITS IN EACH PART.
3. Question papers should be computer generated only.
4. Please give continuous question numbers for all the sub-questions under each part as given in question paper template.
5. **Please provide key answers for objective type questions.** While providing key answers, please mention the answer number and the answer.



**16. QUESTION PAPER PATTERN FOR END SEMESTER (FINAL) THEORY EXAMINATION**



**SRI MANAKULA VINAYAGAR  
ENGINEERING COLLEGE**

(An Autonomous Institution)  
Puducherry - 605 107

**SCHOOL OF AGRICULTURAL SCIENCE  
B.Sc.(Hons.) (Agriculture/Horticulture) Degree Programme**

**QUESTION PAPER PATTERN FOR END SEMESTER THEORY EXAMINATION  
(FOR COURSES INVOLVING ONLY THEORY)**

Time: Two and half hours

Maximum Marks: 50

**PART – A**      40 x 0.5 = 20

No. of Questions : 40 (Question No.1 to 40)

Nature of Questions :

Multiple Choice Questions (with four options)	(Q.No. 01 to 10)	10 x 0.5 Marks = 5
True or False	(Q.No. 11 to 20)	10 x 0.5 Marks = 5
Match the Columns	(Q.No. 21 to 30)	10 x 0.5 Marks = 5
Fill in the blanks	(Q.No. 31 to 40)	10 x 0.5 Marks = 5

**PART – B**      5 x 2 = 10

No. of Questions : 6 (Question No. 41 to 46)

No. of Questions to be answered : 5

Nature of Questions : Half page answer / paragraph

**PART – C**      5 x 4 = 20

No. of Questions : 5 (Question No. 47 to 51)

No. of Questions to be answered : 5 (either or type. one question shall be from each unit)

Nature of Questions : Not less than one and half page answer

**QUESTION PAPER TEMPLATE**

**B.Sc. (Hons.) DEGREE EXAMINATION, ----- (Month, Year)**

.....Semester

**Agriculture / Horticulture**

**Course Title -----**

**Time:** Two and half hours

**Maximum Marks: 50**

**PART A**  
**(40 x 0.5 = 20 marks)**  
**Answer all questions**

**I. Choose the correct answer**

- |     |    |    |    |
|-----|----|----|----|
| 1.  |    |    |    |
| a)  | b) | c) | d) |
| 2.  |    |    |    |
| a)  | b) | c) | d) |
| 3.  |    |    |    |
| a)  | b) | c) | d) |
| 4.  |    |    |    |
| a)  | b) | c) | d) |
| 5.  |    |    |    |
| a)  | b) | c) | d) |
| 6.  |    |    |    |
| a)  | b) | c) | d) |
| 7.  |    |    |    |
| a)  | b) | c) | d) |
| 8.  |    |    |    |
| a)  | b) | c) | d) |
| 9.  |    |    |    |
| a)  | b) | c) | d) |
| 10. |    |    |    |
| a)  | b) | c) | d) |

**II. State True or False**

- 11.
- 12.
- 13.
- 14.
- 15.
- 16.
- 17.
- 18.

- 19.
- 20.

**III. Match the following**

- |     |     |
|-----|-----|
| 21. | (a) |
| 22. | (b) |
| 23. | (c) |
| 24. | (d) |
| 25. | (e) |
| 26. | (f) |
| 27. | (g) |
| 28. | (h) |
| 29. | (i) |
| 30. | (j) |

**IV. Fill in the blanks**

- 31.
- 32.
- 33.
- 34.
- 35.
- 36.
- 37.
- 38.
- 39.
- 40.

**PART B (5 x 2 =10 marks)**

Answer any **FIVE** Answer all

Answer all the questions in brief

- 41.
- 42.
- 43.
- 44.
- 45.
- 46.

**PART C (5 x 4 = 20 marks)**

Answer all the questions in detail

- 47. a (or) 47. b (Unit I)
- 48. a (or) 48. b (Unit II)
- 49. a (or) 49. b (Unit III)

50. a (or) 50. b (Unit IV)

51. a (or) 51. b (Unit V)

**Key Answers for OBJECTIVE QUESTIONS**

**PART - A**

Choose the appropriate answer		Match the following	
1		21	
2		22	
3		23	
4		24	
5		25	
6		26	
7		27	
8		28	
9		29	
10		30	
State True or false		Fill in the blanks	
11		31	
12		32	
13		33	
14		34	
15		35	
16		36	
17		37	
18		38	
19		39	
20		40	