

## Self Study Report

### Admission process

#### **1. Eligible Subjects of study in the Qualifying Examination**

- Candidates should have passed all the subjects in **Group I:** Mathematics, Physics, Chemistry and Biology OR **Group II:** Physics, Chemistry, Biology with any one of the fourth (elective) subject viz., Biotechnology, Microbiology, Biochemistry, Computer Science and Home Science Academic stream of the Qualifying Examination with 10+2 years of schooling under Board of Higher Secondary Education of Government of Tamil Nadu / Central Board of Secondary Education / Council for the Indian School Certificate Examinations / other State Government Boards / other International Boards that are recognized are eligible for B.Sc.(Hons.) Agriculture.

#### **2. MODE OF SELECTION**

Selection process is done through online counseling. However, counseling in person will be conducted for Special reservations (Differently abled, Eminent Sports person, Ex-servicemen, Descendents of freedom fighters, NRI, and Industrial Sponsorship) and vocational stream candidates.

#### **ONLINE COUNSELING**

- Candidates can choose the Degree and College, based on their rank during online counseling, as per the procedure given in section 2.1.1.a.
- Online counseling system will be followed for all Degree programmes.
- After the release of rank list, candidates shortlisted will be informed through SMS and e-mail. The ratio of 'number of vacant seats': 'number of candidates shortlisted for Counseling' will be normally 1:5. **CALLING FOR ONLINE COUNSELING DOES NOT GUARANTEE A SEAT.** Shortlisted candidates must pay a non-refundable counseling fee of Rs.2000/- (Rs. 1000/- for SC / SCA / ST categories) through online. Those who have not paid the counseling fee will not be considered for online counseling.

After online payment of counseling fee, candidates are eligible for the online counseling on the specified dates. During online counseling, the candidate is permitted to change the order of preference for Degree and College **ONLY ONCE**. No modification is possible in subsequent counseling / sliding sessions. If no modification is done, in the choice of College and Degree programme, the preferences exercised in the application will be considered for seat allotment.

## **Conduct of Practical and Hands on Training**

- Agronomy classes are being handled in field and laboratory. In field students have to be exposed to different farming system with different crops like cereals, pulses, fiber crops and oilseed crops with corresponding agronomic practices in Cafeteria. In addition to that hands on training on irrigation and weed management practices with conventional and modern farming practices. To Identification of seeds and farm equipments. Proper handling of farm equipments and purpose of using the tools and implements are also guided to the students. Collection of weather data by using several instruments and handling of those instruments are also guided to the students.
- Horticulture: The practical classes are being conducted in field as well as laboratory depends upon respective lecture. And also practical aspects are Propagate range of plants using different vegetative propagation techniques, Pot up and provide after care for a range of propagated saplings and cuttings, Plant a range of (different types) plant material, Maintain the desired growth type and habit for a range of plants and Conduct a risk assessment of a horticultural workplace to determine safe working practices and select appropriate personal safety clothing and equipment.
- Soil Science and Agricultural Chemistry: The practical classes are conducted in the laboratory for analyzing the soil properties such as Texture, Structure and pH testing by soil indicator and relate to plant selection. Students are getting knowledge about handling instruments.
- For Plant Breeding courses the students exposed to various emasculation and hybridization video tutorials on various agricultural and horticultural crops.
- Crop Physiology: Practical classes are conducted in respective laboratory of various plant samples and to find out the nutrient deficiency symptoms in the field.
- Plant Biotechnology: The practical classes are being conducted at art of facilities in plant biotechnology laboratory.
- Agricultural Extension: The classes for the agricultural extension and rural sociology department are conducted in the respective classrooms which is equipped with audio visual facilities. Students are taken no nearby villages and enterprises to study their socio-economic characters, adoption rate and extension activities such as demonstration and meeting are organized by the students under the guidance of respective course teachers.
- Entomology practical classes are conducted in the laboratory, field of this college premises and outdoor classes. Also displayed the various insect species for concerned lecture.
- Agricultural Microbiology: Given training how to use scientific equipments, Chemicals, reagents and media. Develop their technical, observational and Practical skills. Maintaining day-to-day laboratory Pocket note. Make notes to help them write reports on experiments. Work in groups which can lead to an appreciation of the value of working with others.
- Animal husbandry: to expose an adequate knowledge about the livestock and poultry.

- Computer Science: For conducting practical classes software demonstration, show the internal parts of CPU and explain difference between software and hardware. Also given training to students for creating websites, store the Number of data in database.
- Seed Technology: the practical classes is to enhance students' understanding the methods of scientific experiments about the particular subjects Planning, Explaining , Doing Practical's, Making observations and Prepare the records.
- Forestry: Presence of multi species plantations, Plant nursery and demonstration plots within the campus makes it easier for students to identify trees and carry out different practical exercises. Felled trees in campus that are retained as logs are utilizes for executing forest mensuration practicals. Regular visits to forest nurseries, timber depots and forest based industries for better practical exposure to students.
- Mathematics: The practical classes handled by board and students are easily understood the concepts.
- Agricultural Economics: According to the syllabus the students Students will be taken to the Cooperative market, Cooperative banks, Regulated market, Commercial bank, Weekly market, Household surveys, other institutions etc according to the practical schedule.

## **Examination and Evaluation Process:**

### **Mid- semester Examination**

- Writing the mid-semester examination prerequisite for writing the final theory and practical examinations.
- The mid semester examinations are to be conducted in the regular classes.
- Students failing to write mid semester examination will not be permitted to attend the classes further in the course concern and the student will be awarded 'E' grade.
- The mid semester examination mark list should reach the office of the controller of examination from the date of conduct of mid semester examination.
- If it is paper mode of examination, the answer scripts are evaluated by respective course teachers.
- After the verification process, the corrected answer scripts and mark list will be handed over to Controller of Examinations, TNAU, Coimbatore in stipulated time.
- If it is E pad mode of Examination the answer scripts are evaluated by University staff only.

### **Missing Examination:**

- A student who fails to attend mid semester examination due to an avoidable circumstance shall be permitted with prior approval of the dean to take up missing examination of the particular course, subject to payment of Rs. 800 for each missing mid semester examination .
- Students deputed for official programmes of the university are exempted from paying the fee for missing test.
- Such missing examinations should be completed outside the regular class hours within 15 working days of the respective examinations.
- Attendance will not be given for taking up missing examinations.
- The missing examinations are allowed only for mid semester examination and not for final theory and practical examinations.

### **Theory Examination:**

- The final theory examinations are to be conducted outside the working days of the semester.
- An examination schedule approved by the dean and the controller of examination for the mid semester and final examination, respectively, shall be final.
- The chief invigilator nominated by TNAU.
- Both Answer scripts ( **E-Pad /Paper mode**) are evaluated by University staff only

### **Duration for Mid semester and final theory examinations**

- Mid semester- 1 hour
- Final theory- 40 marks (1+1, 2+1, 1+2 and 2+2 credits) – 2 ½ hours
- Final theory- 60 marks (1+0,2+0, 3+0, 0+1 and 0+2 credits) – 3 hours

### **Practical examination:**

- The practical examination is to be conducted on the last practical class.
- The Dean/Principal of colleges will announce the schedule of final practical examinations.
- The controller of examinations, based on the proposal sent by the Deans/Principal concerned, will nominate the external examiner and the course teacher shall be the internal examiner. In case of affiliated colleges, the external examiners will be exclusively nominated by the controller of examination could not conduct the examination, then the Dean concerned shall nominate an alternative examiner to conduct practical examination in anticipation of approval by the Controller of Examinations.
- Submission of bona fide practical records certified by the course Teachers is a pre-requisite for appearing in the practical examinations failing which 'F' grade will be awarded.
- The duration of practical examination shall be two and a half hours. The practical marks should be communicated to Controller of examinations within 10 days of the last working day.
- If a student fails to write practical examination, 'F' grade will be awarded. The student has to appear for the reappearance examination.

### **Postponement of Final Examination:**

- Whenever the Government declares holidays on the dates of final examinations that falls on the particular date will be postponed to the date after the last examination as per the original examination schedule.

### **Improvement and Re-Appearance: Students Passed out Ratio**

- **Improvement and re-appearance:** Improvement and re-appearance is Permitted only for the final theory and practical examinations.
- The students are permitted to write the improvement and re- appearance as and when conducted with the permission of Deans of Colleges.
- Improvement and re-appearance fee of Rs.200/- per course is to be paid in online on or before the prescribed date.
- A student is permitted to write either theory or practical examination alone or both in the reappearance examination for the failed subjects.

- A student is permitted to write reappearance examination for the failed subjects any number of times within n+4 years duration excluding the regular final examination.
- The registration for the improvement/re-appearance shall be done on the date specified by the Controller of Examinations.
- Each registration is considered as an attempt even if the student is absent for the examination.
- The highest theory/ practical examination marks will be retained for the subsequent reappearance examinations.
- A student is also permitted to write reappearance examination for the failed subjects anytime automated digital exam system by using paper less / digital exam system of examination.
- The reappearance final theory examinations will be conducted for 60 marks for courses with practical (1+1, 2+1, 1+2, 2+2) and for 100 marks for courses with theory/ practical alone (1+0, 2+0,3+0/0+1,0+2) retaining the marks obtained in mid-term test.
- The question paper pattern for reappearance final theory exam will have objective, short notes, essay type, problem, case studies questions.
- For any time digital examination system question paper pattern is objective type only.
- The student having an OGPA of less than 6.50 is eligible to improve the grade point only once in courses with grade point less than 8.00.
- A student who has an OGPA of 6.50 and above is not eligible to improve his/her grade points in any course.
- In case a student fails to secure higher grade point in the subsequent attempts, the higher grade point secured by the student either in regular or improvement examination will be accounted.
- Improvement and re-examination will not be applicable to industry and institutional educational tours, RAWE, agro industrial tie-up programmes, crop production, NSS, NCC and physical education courses.
- The camp requirement in NSS and NCC may be allowed with juniors if the student has secured more than 80% attendance in the regular courses.

## Examination Pattern

1. Midterm and practical marks converted to 50% marks for courses with practical. Students should score 50% of the marks from the practicals and 50% from theory and the total marks for getting a pass is 60 marks out of 100 (60%).
2. Grace marks (up to 1 mark) will be awarded on request to the student who fails to obtain the required (60%) pass mark provided the student has obtained at least 50% marks in theory and 50% mark in practical.

### Existing breaking system will be continued as below.

1. In order to register III<sup>rd</sup> year courses (V semester) the students should have completed successfully all the first year courses registered.
2. In order to register for final year courses (VII semester) students should have completed successfully all the second year courses registered. Reappearance examination and final theory examination will be conducted in same pattern.
3. Student can undergo reappearance exam either theory alone (or) both theory and practical conducted during summer and / or along with junior batch (regular theory exam) by remitting reappearance examination fee. There is no separate reappearance examination for practical alone. Students should write both theory and Practical if he fails to get 50 per cent marks in practical.

### Mid semester Examination

<b>Courses with practical (1+1 / 2+1)</b>	
PART A - MCQ	30 x 0.5 = 15 marks
PART B – Define / Brief answers (5 out of 6 questions)	5 x 1 = 5 marks
Total	20 marks (Converted to 10 marks)
<b>Courses without practical (1+0 / 2+0)</b>	
PART A - MCQ	40 x 0.5 = 20 marks
PART B – Define / Brief answers (5 out of 6 questions)	10 x 1 = 10 marks
Total	30 marks (Direct representation of marks)
<b>Tamil and English Courses</b>	
PART A - MCQ	20 x 0.5 = 10 marks
PART B – Brief answers (5 questions)	5 x 2 = 10 marks
PART C – Essay type questions (2 questions)	2 x 5 = 10 marks
Total	30 marks (Direct representation of marks)

**Final theory**

<b>Courses with practical (1+1 or 2+1 etc.)</b>	<b>Revised Question pattern</b>
PART A – MCQ (40 questions)	40 x 0.5 = 20 Marks
PART B -Define / Brief answers (10 out 12 questions)	10 x1 = 10 Marks
PART C - Paragraph /Short answers (5 out 6 questions)	5 x3 = 15 Marks
PART D - Essay/ Detail Q6 is compulsory (Practical Portion) (5 out 6 questions)	5 x 5= 25 Marks
<b>Total</b>	<b>70 marks</b>

<b>Courses without practical (1+1 or 2+1 etc.)</b>	<b>Revised Question pattern</b>
PART A- MCQ (40 Questions)	40 X 0.5 = 20 Marks
PART B- Define / Brief answers (10 out 12 questions)	10 X 1 = 10 Marks
PART C - Paragraph /Short answers (5 out 6 questions)	5 x3 = 15 Marks
PART D- Essay/ Detail (5 out 6 questions)	5 x 5= 25 Marks
<b>Total</b>	<b>70 marks</b>

**Practical****Practical evaluation pattern for courses with theory and practical (1+1), (2+1), 1+2)**

<b>S.No.</b>	<b>Particulars</b>	<b>Mode of presentation</b>	<b>Allotted Marks</b>
1.	Attendance	Minimum of 80%	Pre-requisite for writing the final practical examination (Evaluated by External Examiner)
2.	Record	Evaluation (5)	3 marks – Evaluated by Course Teacher 2 marks – Evaluated by External Examiner
3.	Assignment	A. Presentation	1 mark (Evaluated by Course teacher )
		B. Written part i. Web page copying not allowed ii. Should be hand written iii. Minimum two references from books	2 marks (Evaluated by External Examiner)
		C. Answering the questions	2 marks (Evaluated by External Examiner)
4.	Written Part	i. Identification / Spotter	5 marks (Evaluated by External Examiner)
		ii. Experiments / Field work / lab work / calculation	10 marks (Evaluated by External Examiner)
		iii. Short notes	5 marks (Evaluated by External Examiner)



		iv. Case study	5 marks (Evaluated by External Examiner)
5.	<i>Viva Voce</i>	Minimum of 5 questions	5 marks (Evaluated by External Examiner)
		<b>Total</b>	<b>40 Marks</b>

**Practical evaluation pattern for courses with practical alone (0+1), (0+2)**

<b>S.No.</b>	<b>Particulars</b>	<b>Mode of presentation</b>	<b>Allotted Marks</b>
1.	Attendance	Minimum of 80%	Pre-requisite for writing the final practical examination (Evaluated by External Examiner)
2.	Record	Evaluation (5)	3 marks – Evaluated by Course Teacher 2 marks – Evaluated by External Examiner
3.	Assignment	A. Presentation	5 marks (Evaluated by Course teacher )
		B. Written part i. Web page copying not allowed ii. Should be hand written iii. Minimum two references from books	3 marks (Evaluated by External Examiner)
		C. Answering the questions	2 marks (Evaluated by External Examiner)
4.	Written Part	i. Identification / Spotter	5 marks (Evaluated by External Examiner)
		ii. Experiments / Field work / lab work / calculation	30 marks (Evaluated by External Examiner)
		iii. Short notes	10 marks (Evaluated by External Examiner)
		iv. Case study	5 marks (Evaluated by External Examiner)
5.	<i>Viva Voce</i>	Minimum of 5 questions	5 marks (Evaluated by External Examiner)
		<b>Total</b>	<b>70 Marks</b>

**Practical evaluation pattern for Tamil and English courses (0+1)**

<b>S.No</b>	<b>Particulars</b>	<b>Marks</b>
1.	PART A - MCQ	: 20 x 0.5 = 10 Marks
2.	PART B – Brief answers (Short notes/ Critical analysis) (6 questions)	: 6 x 2 = 12 Marks
3.	PART C – Paragraph / Short answers /Case study (3 questions)	: 6 x 3 = 18 Marks
4.	PART D – i) Record – evaluated by internal examiner (5 marks) ii) Assignment Presentation – evaluated by internal examiner (5 marks) iii) Assignment (Written) – 2 Nos. – Evaluated by external (10 marks) iv) Viva – 10 (Marks)	: 30 Marks
	<b>Total</b>	<b>: 70 Marks</b>

<b>Final Practical Exam (70 marks) for Crop Production Courses</b>			
<b>S.No.</b>	<b>Particulars</b>	<b>Requirement</b>	<b>Allotted Marks</b>
1.	Attendance	Minimum of 80% separately in theory and practical	Pre-requisite for writing the final practical examination (Evaluated by external examiner)
2.	Record – 5 marks	Continuous evaluation	5 marks (Evaluated by Internal Examiner)
3.	Written test – 30 marks	ii. Short notes	15 marks (Evaluated by external examiner)
		ii. Calculation	15 marks (Evaluated by external examiner)
4.	Field Evaluation – 25 Marks	<b>If, Crop not harvested</b>	
		Cropping Area (Minimum 5 cents) – 5 marks (Evaluated by External Examiner)	
		Population	- 5 marks (Evaluated by external examiner)
		Insect, Disease and Weed Control – 5 marks (Evaluated by external examiner)	
		Crop Stand at Harvest Stage	- 10 marks (Evaluated by external)
		<b>(or)</b>	
		<b>If, Crop harvest harvested</b>	
		Cropping Area (Minimum 5 cents) – 5 marks (Evaluated by external examiner)	
		Population maintenance	- 5 marks (Evaluated by external examiner)
		Yield	- 15 marks (Evaluated by external examiner)
6.	Viva Voce – 10 marks	Minimum of 10 questions	10 marks (Evaluated by external examiner)
		<b>Total</b>	<b>70 Marks</b>