TAMIL NADU PUBLIC SERVICE COMMISSION

Advertisement No. 645
Notification No. 01/2023   **DATED: 12.01.2023**

Applications are invited from eligible candidates only through online mode upto **10.02.2023** for direct recruitment to the posts of **Agricultural Officer (Extension), Assistant Director of Agriculture (Extension)** included in the Tamil Nadu Agricultural Extension Service and **Horticultural Officer** included in the Tamil Nadu Horticultural Service.

Examination for this post shall be conducted in OMR / Computer Based Test (CBT) Method.

WARNING

➤ *All recruitments by the Tamil Nadu Public Service Commission are purely merit based.*

➤ *The Tamil Nadu Public Service Commission hereby cautions the applicants against touts and agents who may cheat, by making false promises of securing jobs through unfair means.*

➤ *The Tamil Nadu Public Service Commission shall not be responsible or liable for any loss that may be caused to any applicant on account of indulging in any sort of dealings with such unscrupulous elements.*

➤ *Applicants are solely responsible for their claims in the online application. They cannot blame service providers like internet cafes/browsing centres/Common Service centres for the mistakes made while applying online for recruitment. Applicants are advised to check the filled in online application along with required documents (see Annexure III) before finally submitting the same.*

➤ ***The applicants shall mandatorily upload the certificates / documents (in support of all the claims made / details furnished in the online application) at the time of submission of online application itself. It shall be ensured by the applicants that the online application shall not be submitted without uploading the required certificates.***

➤ **Applicants are directed to read all the information / instructions / guidelines given in this notification and the Commission's "Instructions to applicants" before applying for this recruitment. Clarification if any required, may be obtained over phone and email well ahead of the last date for submission of online application. Candidates should follow the instructions given in the online application also.**

1. ONE TIME REGISTRATION:

It is mandatory for applicants to register their basic particulars through one - time online registration system on payment of Rs. 150/- (Rupees One hundred and fifty only) towards registration fee and then <u>they should apply online for this recruitment</u>. [The one-time registration will be valid for five years from the date of registration. Thereafter, the registration should be renewed by paying the prescribed fee.] One Time Registration will not be considered as an application for any post.

2. DETAILS OF VACANCIES:

Name of the Post	Name of the Service	No.of vacancies	Scale of Pay
Agricultural Officer (Extension) (Post Code No. 1678)	**Tamil Nadu Agricultural Extension Service** (Service Code No. 015)	**33 + 4** c/f vacancies	**Rs.37,700 – 1,38,500** (Level 20) (Revised scale)
Assistant Director of Agriculture (Extension) (Post Code No. 3202)		**8**	**Rs.56,100 - 2,05,700-** (Level 22) (Revised scale)
Horticultural Officer (Post Code No.3001)	**Tamil Nadu Horticultural Service** (Service CodeNo.104)	**41 + 7** c/f vacancies	**Rs.37,700 – 1,38,500** (Level 20) (Revised scale)

Unless and otherwise specified, the number of vacancies notified is approximate and is liable to modification as indicated in para.11-A of 'Instructions to Applicants'.

3. DISTRIBUTION OF VACANCIES

The Rule of reservation of appointments is applicable to these posts.

AGRICULTURAL OFFICER (EXTN)

Carried forward vacancies: **4** [BC(OBCM)(G)(LV)-2, MBC/DC(G)(HH)-2]

REGULAR VACANCIES: 33

GT(G)	GT (G) (PSTM)	GT (W)	GT (W) (PSTM)	BC (OBCM) (G)	BC (OBCM)(G) (PSTM)	BC (OBCM)(W)	BC (OBCM) (W) (PSTM)	BC (OBCM) (W) HH	BCM (G) (PSTM)	MBC/DC (G)	MBC/DC (G) (PSTM)	MBC/DC (W)	SC (G)	SC (G) (PSTM)	SC (W)	SC (W) (PSTM)	SC (A) (W)	ST (G) (PSTM)	TOTAL
5	2	2	1	4	1	2	1	1	1	3	1	2	1	2	1	1	1	1	33

HORTICULTURAL OFFICER

Carried forward vacancies   : **7** [GT(G) (LV) -1, GT(G) (HI/HH)-1, BC(G)(HI/HH)-1, BC(G)(LD/LC/DF/AC)-1, MBC/DC(G) (LD/LC/DF/AC)-1, SC(G)(LV) -1, SC(G) (LD/LC/DF/AC)-1]

REGULAR VACANCIES: 41

GT(G)	GT (G) (PSTM)	GT (W)	GT (W) (PSTM)	BC (OBCM) (G)	BC (OBCM)(G) (PSTM)	BC (OBCM)(W)	BCM (G)	BCM (W)	MBC/DC (G)	MBC/DC (G) (PSTM)	MBC/DC (W)	MBC/DC (W) (PSTM)	MBC/DC (W) LV	SC (G)	SC (W)	SC (W) (PSTM)	SC (A) (G)	TOTAL
7	2	3	1	7	1	3	1	1	4	1	1	1	1	4	1	1	1	41

ASSISTANT DIRECTOR OF AGRICULTURE (EXTN)

REGULAR VACANCIES: 8

GT (G)	1
GT(W)	1
BC(G)	1
BC(W)	1
MBC/DC(G)	1
MBC/DC (W)	1
SC(G)	1
SC(A)(W)(PSTM)	1
Total	**8**

Abbreviations:- GT- General Turn; BC (OBCM) - Backward Class (Other than Backward Class Muslims); BCM - Backward Class Muslims , MBC/DC - Most Backward Class / De-notified Community; SC - Scheduled Caste; SC(A) - Scheduled Caste - Arunthathiar; ST – Scheduled Tribes, G – General; W – Women; PSTM- Persons Studied in Tamil Medium, HI- Hearing Impaired, HH- Hard of hearing, LV – Low Vision, LD– Locomotor disability; LC-Leprosy cured; DF – Dwarfism; AC- Acid attack victims.

4. IMPORTANT DATES AND TIME:

Date of Notification		**12.01.2023**
Last date for submission of online application		**10.02.2023**
Online Application Correction Window Period	**From 15.02.2023 12.01 A.M to 17.02.2023 11.59 P.M**	
Date of written examination		
Agricultural Officer (Extn)	**Paper-I** : Subject paper Agriculture (Degree Standard)	**20.05.2023 9.30 A.M. to 12.30 P.M.**
Agricultural Officer (Extn), Horticultural Officer & Assistant Director of Agriculture (Extn)	**Paper – II** PART A Tamil Eligibility Test (SSLC Std) and PART B General Studies (Degree Std)	**20.05.2023 02.30 P.M. to 05.30 P.M.**
Assistant Director of Agriculture (Extn)	**Paper-I** : Subject paper Agriculture (PG Degree Standard)	**21.05.2023 9.30 A.M. to 12.30 P.M.**
Horticultural Officer	**Paper-I** : Subject paper Horticulture (Degree Standard)	**21.05.2023 02.30 P.M. to 05.30 P.M.**

Note: Refer Annexure-VII of this notification regarding tentative timeline for the recruitment process.

5. QUALIFICATIONS:

(A) AGE LIMIT (as on 01.07.2023):

	Posts	SCs, SC(A)s, STs, MBC/DCs, BC(OBCM)s, BCMs and Destitute Widows of all categories.	'Others' [i.e. candidates not belonging to SCs, SC(A)s, STs, MBCs/DCs, BC(OBCM)s and BCMs]
1.	**Agricultural Officer (Extn)**	No Maximum Age limit	Should not be more than 32 @ years (for persons holding a bachelor degree in Agriculture) Should not be more than 34@ years (for persons holding a post graduate degree in Agriculture such as M.Sc., (Agriculture) or Ph.D.,
2.	**Horticultural Officer**	No Maximum Age limit	Not exceeding 32@ years in case of holders of degree of B.Sc(Horticulture) and not exceeding 34@ years in the case of holders of degree of M.Sc(Horticulture), M.Sc., (Floriculture and Landscaping), M.Sc(Vegetable Science), M.Sc., (Spices / Plantation and Medicinal and Aromatic Plants) or Ph.D in Horticulture.
3.	**Assistant Director of Agriculture (Extn)**	No Maximum Age limit	34 @ years

Note: @ **In G.O (Ms).No.91, Human Resources Management (S) Department, dated 13.09.2021, Maximum Age Limit prescribed for appointment by direct recruitment is enhanced by 2 years.**

Explanation: No maximum age limit shall mean that the applicants should not have completed 60 years of age either on the date of notification or at the time of selection /appointment to the post.

Note

"Others" [i.e., Applicants not belonging to SCs, SC(A)s, STs, MBCs/DCs, BC(OBCM)s, BCMs] who have put in five years and more of service in the State/Central Government are not eligible even if they are within the age limit. (For further details refer to para 3(F) of "Instructions to Applicants", Section 3(r) of Tamil Nadu Government Servants (Conditions of Service) Act, 2016)

AGE CONCESSION:

(i) **For Persons with Benchmark Disability:**

Persons with Benchmark Disability are eligible for age concession upto 10 years over and above the maximum age limit prescribed.
(Section 64 of the Tamil Nadu Government Servants (Conditions of Service) Act, 2016)

(ii) **For Ex-servicemen (others) :**

a) The maximum age limit for Ex-servicemen is 50 years.(Section 63 of the Tamil Nadu Government Servants (Conditions of Service) Act, 2016 and as per G.O (Ms). No.91, Human Resources Management (S) department, dated 13.09.2021)

b) The above mentioned age concession **will not apply** to the Ex-servicemen applicants who have already been recruited to any class or service or category. (Section 3(j) of the Tamil Nadu Government Servants (Conditions of Service) Act, 2016)

(B)   EDUCATIONAL QUALIFICATION (as on 12 .01 .2023)

Applicants should possess the following or its equivalent qualification awarded by any University or Institution recognized by the University Grants Commission:

I. For the post of **Agricultural Officer (Extn)**

> i) **A Bachelor degree in Agriculture (B.Sc Agriculture); and,**
> ii) **Must possess adequate knowledge in Tamil.**

Explanation:

A person shall be deemed to possess an adequate knowledge in Tamil, if he has passed the S.S.L.C examination or its equivalent examination/H.S.C./Degree etc., with Tamil as one of the languages; or Studied the High School Course in Tamil Medium and passed the S.S.L.C Examination or its equivalent examination in Tamil Medium or passed the Second Class Language Test (Full test) in Tamil conducted by the Commission [Paragraph 10 of the Commission's 'Instructions to Applicants'.] [Para 14(I)(iii) of the 'Instructions to Applicants' will not apply to this recruitment.]

II.   For the post of **Assistant Director of Agriculture (Extn)**

> **A degree of M.Sc., in Agricultural Extension or Agricultural Economics.**
> **Provided that other things being equal, preference shall be given to those who possesses the M.Sc., degree in Agricultural Extension.**

III.   For the post of **Horticultural Officer**

> **Must possess a Degree in B.Sc., Horticulture**

Note:

(i)   The educational qualification prescribed for the posts should have been obtained by passing the required qualification in the following order of studies: 10th + HSC or its equivalent + Bachelor's Degree + Post Graduate Degree as required under Section 25 of the Tamil Nadu Government Servants (Conditions of Service) Act, 2016. Results of the examination should have been declared on or before the date of notification. (Section 20(4)(iv) of the Tamil Nadu Government Servants (Conditions of Service) Act, 2016).

(ii)   Applicants claiming equivalence of qualification to the prescribed qualification should upload and submit evidence for equivalence of qualification, in the form of government order issued on or before the date of this notification, and submit it along with the online application, failing which, their application **will be summarily rejected after due process**. The government orders regarding equivalence of qualification issued after the date of this notification will not be accepted.

(For further details regarding equivalence of qualification refer note under para.9 of the "Instructions to Applicants").

(C) CERTIFICATE OF PHYSICAL FITNESS:

Applicants selected for appointment to the said post will be required to produce a certificate of physical fitness in the form prescribed below. The model format is enclosed with **Annexure V** of the notification. **The said Certificate should be submitted by the selected candidate to the Appointing Authority at the time of joining to the said post.**

Post	Standard of vision	Certificate of physical fitness
Agricultural Officer (Extn)	Standard III	Form prescribed for executive posts
Horticultural Officer	Standard III	Form prescribed for executive posts
AD Agriculture (Extn)	Standard III or Better	Form prescribed for executive posts

For all the three posts:
Colour blindness will be a disqualification. Applicants with defective vision should produce eye fitness certificate from a qualified eye specialist working in the Government Hospital.

(D) KNOWLEDGE IN TAMIL

(For the post of AD Agriculture (Extn) and Horticultural Officer)

Applicants should possess adequate knowledge in Tamil. (For further details refer para 14(I) of 'Instructions to Applicants'.)

6. FEES:

a)	**Registration Fee** For One Time Registration (G.O.(Ms).No.32, Personnel and Administrative Reforms (M) Department, dated 01.03.2017). **Note** Applicants who have already registered in One Time online Registration system and are within the validity period of 5 years are exempted.	Rs.150/-
b)	**Examination Fee** **Note** The Examination fee **should be paid** at the time of submitting the online application for this recruitment if they are not eligible for the concession noted below.	Rs.200/-

Note:

(i) Linking Aadhaar number with One Time Registration (OTR) is mandatory for applicants.[For further details refer para 2B of 'Instructions to Applicants'.]

(ii) One Time Registration is valid for five years from the date of registration. After completion of five years, the applicant must renew the One Time Registration by paying the fee prescribed. The One Time Registration is different from the application for the examination. An applicant should make an online application separately for each and every examination for which he intends to appear.[Para 2C of 'Instructions to Applicants'.]

EXAMINATION FEE CONCESSIONS:

	Category	Concession
(i)	Scheduled Castes/ Scheduled Caste (Arunthathiyars)	Full Exemption
(ii)	Scheduled Tribes	Full Exemption
(iii)	Most Backward Classes/ Denotified Communities	Three Free Chances
(iv)	Backward Classes (Other than Muslim) / Backward Classes (Muslim)	Three Free Chances
(v)	Ex-Servicemen	Two Free Chances
(vi)	Persons with Benchmark Disability	Full Exemption
(vii)	Destitute Widow	Full Exemption

Note:

(i) The total number of free chances availed, will be calculated on the basis of claims made in previous applications.

(ii) The number of free chances availed by the applicant may be verified by the Commission at any stage of the selection process.

(iii) In case an applicant who makes a false claim for exemption from payment of application fee by suppressing information regarding his/ her previous application(s) his/her candidature shall be rejected after due process.

(iv) Applicants are directed to carefully choose the options 'Yes' or 'No' regarding availing the fee concession.

(v) Applicants are advised in their own interest, to keep an account of the number of times fee concession has been availed, irrespective of the information displayed in the <Application History> of the applicant dashboard.

(vi) An application (irrespective of the post applied for) claiming fee concession will operate to exclude one chance from the number of free chances allowed.

(vii) Applicants who have availed the maximum number of free chances permitted / applicants who do not wish to avail of the fee concession / applicants who are not eligible for fee concession, shall choose the option 'No' against the query regarding fee concession. Such applicants shall thereafter pay the requisite fee through the prescribed mode of payment.

(viii) Failure to pay the prescribed fee in time along with the online application, will result in the rejection of application after due process. (for further details regarding examination fee concessions refer to Para 6 of 'Instructions to Applicants')

7. MODE OF PAYMENT OF EXAMINATION FEE:

- Written Examination fee of Rs.200/- (Rupees Two hundred only), is payable by online mode through Net Banking / Credit card / Debit card on or before the last date of submission of online application by choosing the option in the online application.

- Applicants have also to pay the service charges as applicable.

- Applicants can avail exemption from paying examination fee as per eligibility criteria.

- **Offline mode of payment in the form of Demand Draft / Postal Order etc. will not be accepted and the applications forwarded with such modes of payment will be summarily rejected**.

- Those who have registered in the One-Time Registration system and paid the registration fee of Rs.150/- and received the registration ID need not pay the Registration fee i.e., Rs.150/- and it is enough to pay the examination fee alone.

- Applicants who have made One-Time Registration must pay the prescribed examination fee for this recruitment unless fee exemption is claimed (One–Time Registration is only to avail exemption for Registration fee for a period of 5 years from the date of registration and it will not be considered as prescribed examination fee for this recruitment).

> (For further details regarding the Examination fee, refer para. 2(V) of "Instructions to Applicants").

8. CONCESSIONS:

(i) Concessions in the matter of age and/or examination fees allowed to SCs, SC(A)s, STs, MBCs/DCs, BC(OBCM)s, BCMs, Destitute Widows, Persons with Benchmark Disability and Ex-servicemen are given in paras. 3D, 5 and 6 of the 'Instructions to Applicants'.

(ii) Persons claiming concessions referred to above and other claims made in the application have to upload evidence along with online application for such claims, otherwise their application will be rejected after due process.

Note:

In all cases, an **Ex-serviceman once recruited** to a post in any class or service or category, **cannot claim the concession** of being called an Ex-serviceman for his further recruitment. (Section 3(j) of the Tamil Nadu Government Servants (Conditions of Service) Act, 2016).

9. SCHEME OF EXAMINATION: OBJECTIVE TYPE (OMR/CBT METHOD) AND ORAL TEST:

Subject	Duration	Maximum Marks	Minimum qualifying marks for selection	
			SCs, SC(A)s, STs, MBCs/ DCs, BC(OBCM)s & BCMs	Others
(i) Paper I **Subject Paper** - 200 Questions <u>For the post of Agricultural Officer(Extn)</u> **Agriculture** (Degree Standard) (Code No:284) <u>For the post of Horticultural Officer</u> **Horticulture** (Degree Standard) (Code No.278) <u>For the post of Assistant Director of Agriculture (Extn)</u> **Agriculture** (PG Degree Standard) (Code No:285)	**3 Hours**	**300**	**153**	**204**
For all the three posts **(ii) Paper II** (Total **200** questions / 3 Hours) **Part-A** *Tamil Eligibility Test (SSLC Std)* **(100 questions/ 150 marks)**	**1 ½ Hours**	Note: • *Minimum qualifying marks –60 marks (40% of 150)* • *Marks secured in Part-A of Paper-II will not be taken into account for ranking.*		
Part-B **(General Studies)** (Code No.003) **(100 questions/ 150 marks)** **General Studies** (Degree Std) -**75** questions and **Aptitude & Mental Ability Test** (SSLC Std.) -**25** questions	**1 ½ Hours**	**150**		
(iii) Interview and Records		**60**		
Total		**510**		

Note:

a) Answer sheets of Paper-I and Part B of Paper II of the candidates will not be evaluated, if the candidate does not secure minimum qualifying marks in Part-A of Paper-II.

b) Only marks secured in Paper-I and Part-B of Paper-II will be considered for ranking.

c) The question papers for the Paper – I i.e. subject papers will be set in English and PART-B of Paper-II, will be set both in Tamil and English.

d) The candidate should appear for all the papers in the written examination for his / her answers to be evaluated and in case the candidate absents himself / herself for any of the papers, the papers attended will not be evaluated.

e) If answers of a candidate for one paper is declared deemed not fit for valuation, the answers of the candidate for the remaining papers will not be evaluated.

f) As per the orders issued in G.O.(Ms) No.49, Human Resources Management (M) Department, dated 23.05.2022, the differently abled candidates can avail exemption from writing Part-A in Paper-II (Objective Type) (Tamil Eligibility Test). Such candidates have to furnish the required details in the online application without fail. Subsequent claim will receive no attention. The candidates need to upload Disability Certificate as prescribed in appendix to G.O. (Ms) No. 08, Welfare of Differently Abled Persons (DAP-3.2) Department dated 21.09.2021. Model format enclosed with Annexure –IV of this notification.

Instructions to the candidates who are claiming exemption for Tamil Eligibility Test:

➢ As per the orders issued in G.O. (Ms.) No.49, Human Resource Management (M) Department, dated 23.05.2022, read alongwith G.O. Ms.No.8, Welfare of Differently Abled Persons (DAP 3.2) Department, dated 21.09.2021, the differently-abled candidates who are even below the 40% of disability can also avail the exemptions from writing Tamil Eligibility Test i.e Part-A in Paper-II of examination if they have claimed such exemptions in their online application.

➢ The candidates who have been exempted to write Tamil Eligibility Test shall be allowed to write only **General Studies Paper** i.e. Part-B in Paper-II.

➢ Part-A of Paper-II Tamil Eligibility Test shall contain 100 questions from 1 to 100. Part-B of Paper-II the General Studies paper contains 100 questions from 101 to 200 and time duration to write each part of the said examination shall be given 1 ½ Hrs.

➢ All the exempted candidates with disability who have physical limitation with regard to writing, including that of speed and not availing the services of a scribe shall also be allowed compensatory time of a minimum of thirty minutes for an examination of one and a half hours (1 ½ hrs.) duration in the General Studies paper as per G. O. Ms.No.8, Welfare of Differently Abled Persons (DAP 3.2) Department, dated 21.09.2021.

➢ The said exempted candidates must also enter into the examination hall in the AN session half an hour before the commencement of examination (i.e. till 1.30 P.M).

➢ In the case of OMR method of examination, they shall be allowed to write the examination from 2.00 P.M. to 4.00 P.M., and in the case of CBT method, they shall be allowed to write the examination from 2.30 P.M. to 4.30 P.M. All the candidates are permitted to leave the examination hall only after the closure of examination eventhough they are exempted to write Tamil Eligibility Test.

➢ The disability certificate as prescribed in the Appendix to G.O. (Ms.) No. 8, Welfare of Differently Abled Persons (DAP 3.2) Department, dated 21.09.2021, should be obtained from the competent authority (viz. Chief Medical Officer / Civil Surgeon / Medical Superintendent /Notified Medical Authority of a Government Health Care Institution) and it has to be produced / uploaded along with the online application failing which, the application of the candidate (who claims exemption from Tamil Eligibility Test) will be rejected after due process.

➢ The exemption from Tamil Eligibility Test, Compensatory time and scribe will be provided only if the candidates have made such claims in their online application and uploaded the Medical Certificate as prescribed in Appendix to the G.O. (Ms.) No. 8, Welfare of Differently Abled Persons (DAP 3.2) Department, dated 21.09.2021

g) Refer to para.17 of "Instructions to Applicants" with regard to Instructions to be followed while appearing for competitive Examinations conducted by the Commission.

h) The syllabus for written examination is available in **Annexure-I** to this Notification.

i) **Instructions to candidates appearing for Computer Based Test (CBT)**
The candidate has to appear for the examination where he has been allotted to the examination. Change of centre or venue is not permitted. He has to carry the Hall Ticket (Admission Card) and same has to be produced at the examination venue. Each candidate will be assigned a Computer to take up the examination. Candidates will be provided with a user name and password to login the system. Necessary instructions will be displayed on screen. Kindly read all the instructions carefully.

➢ Candidates are not permitted to carry any electronic and / or communication device into the examination hall. They are advised not to bring the electronic gadgets with them.

➢ Computer Based online Test (CBT) is similar to paper pen shading test.

➢ In Computer Based online Test, questions with five options each will be displayed in the computer screen.

➢ Candidate can use only the mouse to select the correct answers and proceed with answering the questions.

➢ Candidates will be provided with a paper for doing rough work. After closure of the examination, rough sheet will be collected.

➢ Candidate has to click the best answer to the question. Candidates can proceed to the next question by clicking next button. Or previous question by clicking previous button

➢ Candidates can review any question and the answers, and the answers can be changed at any time before the closure of examination. They can skip the questions also, if they desire so.

➢ The Question and optional answers will be shuffled randomly and displayed to the candidate.

➢ Candidate can submit their answers at any time during the examination.

➢ Once the answers are submitted, the candidates have no option to proceed further.

➢ If the candidate fails to submit their answers, the system will automatically submit the answers to the server, at the closure of the examination.

➢ No computer knowledge is required to take up the Computer Based online Test. Knowledge in Mouse operation is suffice to take up the Computer Based online Test.

➢ The question and answers can be zoomed to the required level for the candidates with visual impairment. Candidates have to sign the attendance sheet and affix thumb impression for verification of his/her identity. All the activities of the candidates with the mouse will be recorded in the server and a log file will be created for future reference. The Examination Hall will be under camera surveillance. To acquaint with the operation of Mouse and the CBT, the candidates can take up the mock test available in the Commissions website (www.tnpsc.gov.in) and they can practice the usage of mouse in the mock test. Mock test is similar to the CBT to be held on the day of examination. In the Mock test, all the steps are given similar to the CBT. Candidate can practice the mock test as many times as he/she likes.

➢ Answer sheet answered other than the subject mentioned by the candidate in the online application /specified in the Hall Ticket will be invalidated.

➢ Additional instruction for Computer Based Test (CBT) is provided at Annexure VI.

10. SELECTION PROCEDURE:

Selection will be made in two successive stages i.e., (i) Written Examination and (ii) Oral Test in the shape of an interview. The final selection will be made on the basis of the total marks obtained by the applicants at the written examination and oral test taken together subject to the rule of reservation of appointments. Applicants' appearance in the written examination and oral test is compulsory. The applicant who has not appeared for any of the subjects in the written examination or Oral Test will not be considered for selection, even if he/she secures the minimum qualifying marks for selection. (For further details refer to para 18(B) of the 'Instructions to Applicants').

Note:

Firstly the selection will be made for carried forward vacancies for the posts of Agricultural Officer (Extension) and Horticultural Officer. [Section 27 of the Tamil

Nadu Government Servants (Conditions of Service) Act, 2016]. Secondly, the selection will be made for regular vacancies for the posts of Agricultural Officer (Extension) and Horticultural Officer following the rule of reservation

11. CENTRES FOR EXAMINATION:

The examination will be held at the following centres.

Sl.No	Name of the Centre	Centre Code	Sl.No	Name of the Centre	Centre Code
1.	Ariyalur	3001	20.	Ramanathapuram	1601
2.	Chengalpattu	3301	21.	Ranipet	3501
3.	Chennai	0101	22.	Salem	1701
4.	Coimbatore	0201	23.	Karaikudi	1805
5.	Chidambaram	0303	24.	Tenkasi	3601
6.	Dharmapuri	0401	25.	Thanjavur	1901
7.	Dindigul	0501	26.	The Nilgiris	1301
8.	Erode	0601	27.	Theni	2001
9.	Kallakurichi	3401	28.	Thiruvallur	2101
10.	Kancheepuram	0701	29.	Thiruvannamalai	2201
11.	Nagercoil	0801	30.	Thiruvarur	2301
12.	Karur	0901	31.	Thoothukudi	2401
13.	Krishnagiri	3101	32.	Tiruchirappalli	2501
14.	Madurai	1001	33.	Tirunelveli	2601
15.	Mayiladuthurai	3801	34.	Tirupathur	3701
16.	Nagapattinam	1101	35.	Tiruppur	3201
17.	Namakkal	1201	36.	Vellore	2701
18.	Perambalur	1401	37.	Villupuram	2801
19.	Pudukkottai	1501	38.	Virudhunagar	2901

Note:

(i) Applicants should choose any two of the above centres for written examination. Applicants will be allotted a venue in one of these two centres. However, Differently Abled Persons applicants will be permitted to choose one Centre (for further details refer para 2(R) of Instructions to Applicants)

(ii) Request for change of examination centre will not be permitted (For further details refer Para 17(A)(ii) of "Instructions to Applicants")

(iii) The Commission reserves the right to increase or decrease the number of examination centres and to re-allot the applicants accordingly.

(iv) Applicants should appear for the written examinations / certificate verification / oral test / counselling at their own expenses.

12. (A) EMPLOYMENT DETAILS

Candidates who are in the service of the Indian Union or a State in India or in the employment of Local Bodies or Universities or Quasi Government Organizations or Public Sector Units constituted under the authority of the Government of India or of a State in India, whether in regular service or in temporary service must inform the Commission of

such fact, at the time of applying. Suppression of the fact of employment by candidates shall result in rejection of candidature after due process. Candidates should produce No Objection Certificate when called for [For further details refer para. 14 (P) of "Instructions to Applicants']

(B) DECLARATION REGARDING CRIMINAL CASES (OR) DISCIPLINARY CASES:

(i) Candidates who have declared pending criminal or disciplinary cases in their online application, must upload the copy of First Information Report (FIR) or memorandum of charges / show cause notice, as the case may be. Failure to upload such papers along with online application, shall result in rejection of candidature after due process.

(ii) Candidates who have declared conviction in criminal cases or punishment in disciplinary cases, in their online application, must upload the relevant court orders and/or release orders or memorandum of proceedings, as the case may be, along with online application. Failure to upload such papers, shall result in rejection of candidature after due process.

(iii) In case of any criminal case is filed / disciplinary action is taken against or conviction / punishment is imposed on a candidate after submission of the on-line application at any stage of the recruitment process before the completion of entire selection process such candidates should report this fact to the Commission in the next immediate stage. Failure to comply with these instructions shall result in rejection of candidature after due process and debarment for a period of one year.
[Para. 14 (S) & 2W of "Instructions to Applicants']
Any violation of instruction therein will result in rejection of application and forfeiture of his/her candidature after due process.

13. GENERAL INFORMATION:

(A) The rule of reservation of appointments is applicable to this recruitment.

(B) Person Studied in Tamil Medium

(i) As per Section 2(d) of the Tamil Nadu Appointment on preferential basis in the services under the State of Persons Studied in Tamil Medium Act, 2010, as amended by Act 35 of 2020, **Person studied in Tamil medium means a person who has studied through Tamil medium of instruction upto the educational qualification prescribed for direct recruitment in the rules or regulations or orders applicable to any appointment in the services under the State.**

(ii) Candidates claiming to be Persons studied in Tamil Medium (PSTM) must upload evidence for the same in the form of SSLC, HSC, Transfer Certificate, Provisional Certificate , Convocation Certificate, Degree Certificate, PG Degree Certificate, Mark Sheets, Certificate from the Board or University or from the Institution, as the case may be, with a recording that he/she had studied **the entire duration of the respective course(s) through Tamil Medium of instruction at the time of submission of online application.**

(iii) Candidates must upload documents as evidence of having studied in the Tamil medium, all educational qualification upto the educational qualification prescribed **at the time of submission of online application**.

Example:

If the prescribed educational qualification is Degree, then the candidate should have studied from the First standard to SSLC, Higher Secondary Course and Degree through Tamil Medium of instruction.

If the prescribed educational qualification is Post Graduate Degree, then the candidate should have studied from the First standard to SSLC, Higher Secondary Course, Degree and Post Graduate Degree through Tamil Medium of instruction.

(iv) If no such document as evidence for 'PSTM' is available, a certificate from the Principal / Head Master / District Educational Officer / Chief Educational Officer / District Adi Dravidar Welfare Officer / Registrar / Controller of Examinations / Head / Director of the Educational Institution, Director / Joint Director of Technical Education / Registrar of Universities as the case may be, in the prescribed format must be uploaded **at the time of submission of online application**, for each and every educational qualification up to the educational qualification prescribed.

(v) Failure to upload such documents **at the time of submission of online application** as evidence for 'Persons Studied in Tamil Medium' for all educational qualification up to the educational qualification prescribed, shall result in the rejection of candidature after due process.

(vi) Documents uploaded **at the time of submission of online application** as proof of having studied in Tamil medium, for the partial duration of any course / private appearance at any examination, shall not be accepted and shall result in the rejection of candidature after due process.

(For further details refer to para. 14 (R) & 2W of the "Instructions to Applicants")

(C) The selection for appointment to the said post is purely provisional subject to the final orders in the writ petitions, if any, pending on the files of the Hon'ble High Court of Madras and its Madurai Bench.

(D) As per Sections 26 and 27(c) of the Tamil Nadu Government Servants (Conditions of Service) Act, 2016, reservation of appointment to "Destitute Widows" and "Ex-servicemen" will not apply to this recruitment.

(E) **PERSONS WITH BENCHMARK DISABILITY** :

As per G.O. (Ms.) No. 20, Welfare of Differently Abled Persons (DAP.3.2) Department, dated 20.06.2018, the said posts have been identified as suitable for differently abled persons with the following disabilities

Post	Suitable category of disability
Agricultural Officer (Extn)	**LV, HH, LD (OA, OL, BL, BA, OAL, BLOA, BABL), CP, LC, DF, AC, MuD**
Horticultural Officer	**LV, HI, HH, LD (OA, OL, BL, BA, OAL, BLOA, BABL), LC, DF, AC**
AD Agriculture (Extn)	**LV, HI, HH, LD (OA, OL, BL, BA, OAL, BLOA, BABL), LC, DF, AC**

[LV- Low vision, **HH**- Hard of hearing, **HI**- Hearing Impaired**, LD**- Loco-motor disability, **(OA –** One Arm**, OL-**One Leg**, BL-** Both Legs**, BA-** Both Arms**, OAL-** One Arm One Leg**, BLOA-** Both Leg One Arm**, BABL-** Both Arm Both Leg**) CP**- Cerebral Palsy, **LC**- Leprosy cured**, DF**- Dwarfism, **AC**-Acid attack victims, **MuD**- Muscular dystrophy]

(F) Persons with Benchmark Disability should submit / upload **at the time of submission of online application** a copy of Disability Certificate in the format prescribed in the Rights of Persons with Disabilities Rules, 2017 [Department of Empowerment of Persons with Disabilities (Divyangjan), Ministry of Social Justice and Empowerment, Government of India] and issued by the competent authority defined in GO Ms. No. 28, Welfare of Differently Abled Persons (DAP 3.1), dated 27.07.2018.

[For further details refer Para. 14 (M) of "Instructions to Applicants']

(G) If no qualified and suitable women applicants are available for selection against the vacancies reserved for them, those vacancies will be filled by male applicants belonging to the respective communal categories. (Section 26(5) of the Tamil Nadu Government Servants (Conditions of Service) Act, 2016).

(H) Wherever vacancies are reserved for Arunthathiyars on preferential basis, even after filling the vacancies reserved for SC (Arunthathiyars) on preferential basis, if more number of qualified Arunthathiyars are available, they shall be entitled to compete with the Scheduled Castes other than Arunthathiyars in the inter-se-merit among them and if any posts reserved for Arunthathiyars remain unfilled for want of adequate number of qualified applicants, it shall be filled by Scheduled Castes other than Arunthathiyars. (Section 27 of the Tamil Nadu Government Servants (Conditions of Service) Act, 2016).

(I) **Evidence for all the claims made in the online application should be uploaded at the time of submission of online application. Any subsequent claim made after submission of online application will not be entertained. Failure to upload the documents at the time of submission of online application will entail rejection of application after due process**.

(J) Suppression of following material information in the online application regarding (i) Employment in the Service of the Indian Union or a State in India or in the employment of Local Bodies or University or Quasi Government Organization or

Public Sector units constituted under the authority of the Government of India or of a State in India in regular service or temporary service (ii) Wilful suppression of criminal cases / disciplinary action pending / punishments if any, against the applicant (iii) violation of undertaking given by the applicant in the online application etc,. may invite suitable penal action including debarment for a specific period as decided by the Commission for various recruitments/ selections conducted by the Commission, besides rejection of application after due process.

(K) Correct and true information regarding arrest, convictions, criminal or any disciplinary proceedings initiated / pending or finalised, debarment / disqualification by any recruiting agency, if any, should also be furnished to the Commission at the time of submission of online application. The details thereof, i.e. originals of the judgement / order / G.O. dropping further action in the departmental proceedings or any document that may prove the suitability of such applicants for appointment in such cases must be produced at the stage / time of certificate verification/ oral test as the case may be without fail. All such events that occur after the submission of application and till the date of his / her selection and appointment shall be reported to the Commission forthwith. Failure to report on the part of the applicant will be considered as suppression of material information and will entail suitable penal action as decided by the Commission.

(L) Incomplete applications and applications containing wrong claims or incorrect particulars relating to category of reservation / eligibility / age /gender / communal category / educational qualification / medium of instruction / physical qualification / other basic qualifications and other basic eligibility criteria will be summarily rejected after due process.

(M) One Time Registration is not an application for any post / recruitment. Though the details/particulars have already been furnished by the applicants under One Time Registration system, **the claims made in the online application for this recruitment alone will be taken into consideration**. The Commission will not be responsible for any consequences arising out of furnishing of incorrect and incomplete details in the application or omission to provide the required details in the application for this recruitment.

(N) Determination of Community for Transgender:

(i) The Transgender candidates, who do not possess any community certificate may choose to be considered under Most Backward Classes as per G.O.(Ms) No.28, Backward Classes, Most Backward Classes and Minorities Welfare Department, dated 06.04.2015 or under 'others'.

(ii) The Transgender candidates who belong to Scheduled Caste/ Scheduled Caste (Arunthathiyar)/ Scheduled Tribe communities and possess community certificate as such, shall be considered as per their respective community.

(iii) The Transgender candidates who belong to the communities other than Scheduled Castes/ Scheduled Castes (Arunthathiyar) / Scheduled Tribe and possess

community certificate as such are permitted to choose to be considered as belonging to their own community or as Most Backward Classes whichever is advantageous to them, at the time of One Time Registration itself. Once the individual opts to be considered as a particular community, it shall be crystallized and this option shall not be changed in future. [Refer G.O.Ms.No.90, Social Welfare and Nutritious Meal Programme [SW8(2)] Department, dated 22.12.2017 and Para. 14 (F) (vi – xi) of "Instructions to Applicants']

(O)   Reservation in Employment for Transgender:-

(i)   The Transgender candidates who identify themselves as 'Female' shall be considered against both 30% reservation for women as well as 70% reservation for the General category (both Men & Women).

(ii) The Transgender candidates, who identify themselves as 'Male' or 'Transgender', shall be considered against the 70 % reservation for General category (both Men & Women).

The above concessions shall be granted subject to production of certificate identifying them as Transgender or Transgender (Male) or Transgender (Female), as the case may be, issued by the Tamil Nadu Transgender Welfare Board (TNTGWB)."

14. OTHER IMPORTANT INSTRUCTIONS:

a) **Applicants should ensure their eligibility for the examination.** Before applying for / appearing for the examination, the applicants should ensure their eligibility for such examination and that they fulfil all the conditions in regard to age, educational qualifications, number of chances for fee concession, etc., as prescribed by the Commission's notification. Their admission to all stages of the examination will be purely provisional, subject to their satisfying the eligibility conditions. Mere admission to the written examination / certificate verification / oral test / counselling or inclusion of name in the selection list will not confer on

   the candidates any right to appointment. The candidature is therefore, provisional at all stages and the Commission reserves the right to reject candidature at any stage after due process, even after selection has been made, if a wrong claim or violation of rules or instructions is confirmed.

   [Refer Para. 11 (B) (C) and (D) of "Instructions to Applicants']

b) The memorandum of admission (hall ticket) for eligible applicants will be made available in the Commission's website **www.tnpscexams.in** / **www.tnpsc.gov.in** for downloading by applicants. The memorandum of admission will **not** be sent by post. The applicants must comply with   each and every instruction given in the memorandum of admission.

   [Refer Note (g) under Para 2(V) of "Instructions to applicants"]

c) Applicants requiring clarification, can contact the office of the Tamil Nadu Public Service Commission in person or over the Toll-Free No.1800 419 0958 on all working days between 10.00 am and 5.45 pm. Queries relating to One Time Registration/ online application may be sent to helpdesk@tnpscexams.in. Other

queries may be sent to **grievance.tnpsc@tn.gov.in** [Refer in Note (h),(i),(j) under Para 2(V) of "Instructions to applicants"]

d) **COMMUNICATION TO APPLICANTS:** Individual communication regarding the date and time of certificate verification, oral test and counselling (as applicable) will not be sent to the applicants by post. The details will be made available on the Commission's website. Applicants will be informed of the above fact only through SMS and e-mail and they should watch the Commission's website in this regard. Commission is not responsible for non-delivery of SMS/e-mail due to any reasons.

e) *During the process of recruitment, from Notification till completion of selection process, NO information / clarification on the selection particulars / details will be furnished to any petitions / representations including petitions received under Right to Information Act, CM cell petitions, and GRC would be furnished.*

f) **MOBILE PHONES AND OTHER ARTICLES BANNED :**

    i)   Except the permitted writing material (Black ball point pen), applicants are not allowed to bring cellular phones, electronic or any other type of calculators, watches and rings with inbuilt memory notes, recording devices either as a separate piece or part of something used by the applicant such as watch or ring etc or any other electronic devices and non - electronic devices such as P&G design data book, mathematical and drawing instruments, log tables, stencils of maps, slide rules books, notes, loose sheets, rough sheets, hand bags etc., into the examination hall / room.

    ii)   If they are found to be in possession of any such things or instruments, they will not be allowed to proceed with the examination further, besides invalidation of answers and / or debarment. If it is considered necessary, they will be subjected to thorough physical search including frisking on the spot.

    iii)   Applicants are advised, in their own interest, not to bring any of the banned items including mobile phones to the venue of the examination, as arrangements for safekeeping of the same cannot be assured. (For further details refer Para 17-E to "Instructions to Applicants").

g) Applicants applying for the examination should ensure that they fulfil all the eligibility conditions for admission to the examination. Their admission at all the stages of examination for which they are admitted by the Commission will be purely provisional, subject to their satisfying the prescribed eligibility conditions. **If, on verification at any time before or after the written examination /certificate verification / oral test , it is found that they do not fulfil any of the eligibility conditions, their candidature for the recruitment will be summarily rejected after due process.**

h) If any of their claims is found to be incorrect, it will lead to rejection of their candidature after due process and suitable penal action including debarment.

i) **UNFAIR MEANS STRICTLY PROHIBITED**: No applicant shall copy from the answers of any other applicant or permit his / her answers to be copied or give or attempt to give or obtain or attempt to obtain irregular assistance of any description.

j) **CONDUCT IN THE EXAMINATION HALL**: No applicant should misbehave in any manner or create a disorderly scene in the examination hall or harass the staff employed by the Commission for the conduct of the examination. Any such misconduct will be viewed seriously and penalised.

k) For violation of "Instructions to Applicants" in any manner, suitable penalty will be imposed as per Para 17-E to "Instructions to Applicants" or as deemed fit by the Commission.

(l) Tentative answer keys will be hosted in the Commission's website within 6 working days from the date of conduct of objective type examination. Candidates can challenge the tentative answer keys of the objective type examination through the 'Answer Key Challenge' window available in the Commission's website [Results → Answer Keys].

Representations, if any, challenging the tentative answer keys shall be submitted only through online mode **within seven days from the date of publication of tentative answer keys**. Representations received by post or e-mail will receive no attention.

Detailed instructions, procedures to challenge the tentative answer keys have been made available in the Commission's website. Representations made online / offline after the closure of the window will also receive no attention.

The challenges submitted on time, through the online mode, shall be referred to a committee comprising of experts in each subject. The decision on the final answer key shall be made, based on the recommendations of the expert committee and answer evaluation shall commence thereafter.

The Commission shall not publish the final answer key until the completion of the entire selection process.

Requests from candidates for furnishing of their marks or answer copy before the completion of the entire selection process, will not be entertained by the Commission.

After conclusion of the entire selection process, complete particulars of all candidates who had applied for recruitment to the post shall be made available on the Commission's website.

[Refer Para 17(D) (iv) to (xii) of "Instructions to Applicants"]

15. HOW TO APPLY:

1) Applicants should apply only through online mode in the Commission's websites www.tnpsc.gov.in or www.tnpscexams.in

2) "*One Time Registration*" by linking Aadhaar is mandatory before applying for any post. Applicant should register only once in the One Time Registration by paying Rs.150/- as registration fee. Successfully registered One Time Registration is valid

for five years from the date of registration. All the applications should be submitted using the One Time Registration ID and password registered by the applicant.

3) To apply under One Time Registration system, applicants should have a scanned image of their photograph, certificates specified, if any, and signature in CD/DVD/Pen Drive to upload the same, as per the specifications given in the guidelines for scanning and uploading of photograph and signature.

[Refer Para 2 of "Instructions to Applicants"]

4) No applicant is permitted to create more than one registration ID under One Time Registration system.

5) Applicants should enter the Unique ID and password to view the already available information and update them. They shall not share the ID/ PASSWORD with any other person or agency.

6) One Time Registration is not an application for any post. It is just a collection of information from the applicants and provides a separate dashboard to each applicant to facilitate maintenance of their own profile. Applicants who wish to apply for this recruitment shall click "Apply" against the recruitment notified in the Commission's website using the same USER ID and PASSWORD given for ONE TIME REGISTRATION.

7) Applicants should select the name of the post for which the applicant wishes to apply.

8) Online applications uploaded without the photograph, signature and the documents specified in Annexure III will be rejected after due process.

9) All the particulars mentioned in the online application will be considered as final and no modifications will be allowed after the last date for submission of the online application. The applicants are instructed to fill the online application with utmost care and caution. **The applicants are permitted to edit the details in the online application till the last date stipulated for submission of online application. [Refer Para 2 of "Instructions to Applicants"]**

10) **Online Application Correction Window**

After the last date for submission of online application, the candidates are allowed to edit their online application during the Online Application Correction Window period as mentioned in Para 4 of the Notification (Important Date and Time). After the last date of Correction Window period, no modification is allowed in the online applications. The applications will be processed as per the details finally furnished by the candidates. It is the responsibility of the candidates and the Commission has no liability for subsequent rejection of application caused due to editing the details already submitted in online application. Request / representation addressed to the Commission for modification of claims in the online application, in any mode, will not be entertained. Hence, the applicants are instructed to fill the online application with utmost care and caution.

11)   **PRINT OPTION**:

a) After submitting the application, applicants can save / print their application in PDF format.

b) On entering user ID and password, applicants can download their application and print, if required.

c) **Applicants need not send the printout of the online application or any other supporting documents to the Commission.**
   For further details refer para 2 of "Instructions to Applicants"

16. UPLOAD OF DOCUMENTS:

In respect of recruitment to this post, the applicants shall mandatorily upload the certificates / documents (in support of all the claims made / details furnished in the online application) at the time of submission of online application itself. It shall be ensured that the online application shall not be submitted by the applicants without mandatorily uploading the required certificates.

The applicants shall have the option of verifying the uploaded certificates through their OTR. If any of the credentials have wrongly been uploaded or not uploaded or if any modifications are to be done in the uploading of documents, the applicants shall be permitted to upload / re-upload the documents till two days prior to the date of hosting of hall tickets for this post (i.e. twelve days prior to the date of examination)

Refer Annexure III for the list of documents to be uploaded by the Applicants. For further details refer para 2W of "Instructions to Applicants"

II Intimation to the Candidates: Individual Communication regarding the Date and Time of Certificate Verification (CV), Oral Test (OT) and Counselling will not be sent to the applicants by Post, the details will be made available in the Commission's website. However, the Commission provides an additional facility to the candidates by informing the above said date and time of Certificate Verification and Oral Test etc., via SMS and e-mail through their registered Mobile Number and email ID. Candidates are directed to watch the Commission's website periodically for all updates and intimations. Commission is not responsible for failure / delay in delivery of SMS / email to the candidates due to any reason including technical issues. Any representation from the candidates for non-receipt of SMS or e-mail will receive no attention.

17. LAST DATE FOR SUBMISSION OF APPLICATION:

Online application can be edited/ submitted upto **10.02.2023** till 11.59 p.m., after which the link will be disabled. Online application correction window period is from **15.02.2023** 12.01 A.M. to **17.02.2023** 11.59 P.M. The applicants are permitted to upload/ re-upload the documents upto **07.05.2023** till 11.59 P.M, after which the link will be disabled.

(For detailed information, applicants may refer to the "Instructions to Applicants" *at the Commission's website www.tnpsc.gov.in).*

DISCLAIMER

"The Government orders relating to Equivalence of qualification are available on the Tamil Nadu Public Service Commission's website. However, if the applicant possesses an equivalence of qualification other than one mentioned in the Commission's website and if Government orders to this effect have been issued on or before the date of this notification, applicants should furnish the details of the same while applying and should upload a copy of the Government orders, along with the online application, failing which their application will be rejected after due process. The Government orders regarding equivalence of qualification issued after the date of this notification will not be considered for this recruitment".

Secretary

ANNEXURE – I   **Paper-I**
SYLLABUS FOR WRITTEN EXAMINATION

SUBJECT PAPER : AGRICULTURE (DEGREE STANDARD)

CODE NO.284

UNIT- I: IMPORTANCE OF AGRICULTURE

Importance of Agriculture in Indian Economy and its sectoral relationship - Agricultural Development through five year plans in India and Tamil Nadu - Growth pattern of crops in India and Tamil Nadu in terms of area, production and productivity - Government Agricultural Policies – Agricultural development through NITI AYOG – import and export – role of NSC, FCI and PDS.

UNIT - II: FUNDAMENTALS OF CROP PRODUCTION

Factors of Production - Agricultural seasons of India and Tamil Nadu - Cropping patterns in India and Tamil Nadu - package of practices of different crops - Agro-Climatic zones of India and Tamil Nadu and their features - Weather and Climate - Weather forecasting - Climate change and its impact – Minimal tillage   practices – Stress mitigating technologies including microorganisms – Nanoparticles and their applications

UNIT - III: NATURAL RESOURCE MANAGEMENT

Soil - Soil structure - Factors influencing soil structure - Physical and Chemical properties - Effect of nutrient availability and plant growth - Problem soils and their management - Soil survey - its objectives and scope - Soil fertility and productivity - Dry farming - Rainfed agriculture - Conservation of soil and water - Watershed and waste land development. Land use pattern and planning - Size and distribution of holdings - types and systems of farming - Water resources development and management - Command area development - Ground water Development and Conjunctive use - Water use efficiency - Quality of irrigation water - Its effect in soil and crops - Management of poor quality water for crop growth.

UNIT - IV: CROP MANAGEMENT & ALLIED AGRICULTURAL ACTIVITIES

Cropping systems and integrated farming - Recycling of agricultural waste - Organic manures, green manures, bio fertilizers - Balanced usage - integrated nutrient management - Physiological disorders in crop plants and their management- Irrigation management of different crops Mushroom cultivation, bee keeping, silkworm rearing etc., Energy in Agricultural production - Sources - Solar, wind, animal, biomass and biogas - Mechanization in agriculture - Tractors & tillers - Agricultural implements and Machineries and their usage - livestock and poultry rearing.

UNIT - V: CROP IMPROVEMENT

Principles of breeding - Breeding methods in self , cross and vegetatively propagated crops - Modern tools in crop improvement – Heterosis breeding and Hybrid seed production technologies - Latest varieties of major crops in Tamil Nadu - Breeding for Climate resilience varieties – Variety release procedures -Application of bio technology in Agriculture - Tissue culture & its significance - Transgenic Plants. Plant Genetic Resources: Collection conservation and exchange-Crop varietal protection-PPV& FR authority and its role

UNIT- VI: SEED SCIENCE AND TECHNOLOGY

Seeds - Importance of quality seeds in Agriculture – Nucleus, Breeder, foundation, certified and labelled seeds - Seed certification techniques and processing in Tamil Nadu - Seed testing – Seed testing laboratories-ISTA standards for seed testing-seed village concept Seed Act - Seed coating and priming technologies - Seed enhancement technologies

UNIT – VII: CROP PROTECTION PRINCIPLES AND PRACTICES

Importance of pest, disease, nematodes and weed management in agriculture – categories of pests, diseases, nematodes and weeds - pest and disease surveillance and forecasting weather on pest and disease incidence - Symptoms of damages and control measures of pest, disease and nematodes of major crops in Tamil Nadu - Integrated pest, disease and nematode management in crop production - Pesticides and their use in IPM – mode of action - Pattern - plant protection equipments and their use - Plant quarantine. Storage pests, disease and nematodes and their management. Importance of biological control in pest, disease and nematode management. Weeds - Major weeds and their control.

UNIT – VIII: FARM BUSINESS AND FINANCE MANAGEMENT

Farm business management - Principles of farm business management – Types and systems of farms-Classical Production Functions - Cost concepts - Management of resources - Farm Planning and budgeting - Investment analysis – Risk and uncertainties in Agriculture- Agricultural credit system in India - Multi credit delivery system - Role of nationalized banks, NABARD and Regional Rural Banks - Lead Bank Scheme - Service area approach - Scale of finance-Credit Worthiness-3 Rs,5Cs and 7Ps of credit- Crop Insurance - Kisan Credit Cards (KCC) - Agricultural Insurance Company

UNIT – IX: AGRICULTURAL MARKETING AND MARKET INTELLIGENCE

Marketing - Agricultural marketing - Market structure – Marketing Efficiency - Price Spread-Market Integration-Market Risk-Speculation and hedging - Market Institutions- Warehouses and rural godowns - Agmark-Cooperatives - Commodity Boards – Agri business management – Principles of Management-Entrepreneurship Development - Forms of Business organizations - Agricultural Price Policy - CACP-MSP - FRP- Procurement Price-Policies for agricultural development - Economic liberalization - WTO and its impact on agricultural export - Importance of Agriculture in Indian economy - Land size and distribution of holdings and land use pattern in Tamil Nadu - Agriculture under Five year Plans (FYPs) - Food Security - Public Distribution Systems (PDS) - Buffer Stock

UNIT - X: AGRICULTURAL EXTENSION: PRINCIPLES AND METHODS

Extension methods for transfer of technology - AV aids-Communication models - Use of ICT in transfer of technology-Diffusion and adoption- Pre and post independence rural development initiatives: key features, strength and weakness of individual programmes - Programme planning and evaluation methods- Rural sociology - key features of Indian rural system-value system-social change- rural migration. Role of women in Agriculture

HORTICULTURE   PAPER - I

(DEGREE STANDARD)

SUBJECT CODE: 278

UNIT- I: FUNDAMENTALS OF HORTICULTURE

Scope and importance – State, National and Global scenario of horticultural crops – Area and production – Import and export – Nutritive value of horticultural crops – Horticultural zones of Tamil Nadu and India – National and regional agencies involved in promotion of horticultural Industry in India (NHB, APEDA and Commodity Boards) – Classification of horticultural crops – Factors limiting horticultural crop production – Role of season – Soil and climate requirements - Physical and chemical properties of soil - Climatic factors – Light, temperature, photoperiod, relative humidity, rainfall, altitude, microclimate - Kitchen gardening -Nutrition gardening – Truck gardening – Market gardening - Vegetable forcing - Protected and precision horticulture – Hydroponics, Aeroponics – Nutrient Film Technique - Horticulture therapy.

UNIT - II: GROWTH AND DEVELOPMENT OF HORTICULTURAL CROPS

Important phases of growth and development - Bearing habits – Classification of horticultural crops based on life cycle – Annual, biennial perennial (woody and herbaceous perennials) – Fruitfulness and unfruitfulness - External and internal factors associated with unfruitfulness – Physiology of flowering, fruit set, ripening and senescence – Fruitdrop - Causes and control measures - Plant growth regulators – Functions and role in horticultural crops - Bud dormancy – Dormancy breaking – Parthenocarpy – Parthenogenesis – Polyembryony – Stenospermocarpy – Vivipary- Apomixis.

UNIT - III: PROPAGATION OF HORTICULTURAL CROPS

Propagation – Definition – Establishment of nursery – Site selection - Tools and implements propagation structures - Mist chamber, phytotron - Humidifiers – Greenhouse – Glasshouse – Polyhouse - Shade net, glass house, poly tunnels, cold frames and hotbeds, pit nursery - Media and containers – Soil

sterilization - Sexual propagation – Merits and demerits – Crops propagated through seeds - Seed viability, longevity, dormancy, germination – Pre-sowing treatment – stratification, scarification, seed priming, seedling vigour – Raised seed bed and pro-tray nursery – Asexual propagation – Merits and demerits – Methods of vegetative propagation – Identification of plus trees – Mother block, scion bank – Clonal nursery – Cutting – Layering – Grafting, budding types – Anatomical and physiological basis of grafting – Stock scion relationship, graft compatibility - Budwood selection and certification – Propagation through specialized plant parts (bulbs, tubers, offsets, runners, suckers, slip, crown, rhizomes, corms) – Quality management and nursery certification – Micro propagation – Application – infrastructure requirements – Types of media – Stages of micro propagation – Micro grafting – *in vitro* propagation of important horticultural crops.

UNIT - IV: MANAGEMENT TECHNIQUES FOR HORTICULTURAL CROPS

Planning – Layout and management of orchards – Fencing – Wind breaks and shelter beds – Spacing – Planting system – Physical and chemical properties – Soil reaction – acid, saline and alkaline soils – Soil fertility - Essential elements – Functions - Organic manures and inorganic fertilizers, bio-fertilizers, vermi-composting - Applications and management – Nutrient deficiencies and corrective measures - Physiological disorders and remedies - Irrigation – Critical stages of water requirement – Effect of water stress on crop yield – Anti-transpirants – management of irrigation water quality - Conventional and micro irrigation – Fertigation - Mulching – Sod culture – Weed management – Application growth regulators – Training and pruning principles and methods - Rejuvenation of senile and old orchards – Cropping systems - Cover cropping - Multitier cropping – Intercropping – Special horticultural techniques (pinching, thinning, disbudding, blanching, smudging, notching, ringing) - Principles of organic horticulture – GAP and GMP.

UNIT - V: PRODUCTION TECHNOLOGY OF FRUIT CROPS

Scope and importance of fruit crops - Composition and uses - Origin and distribution – Species – Season - Climate and soil requirement – Varieties and hybrids – Propagation techniques - Planting systems and planting density - Including High density planting (HDP) and ultra high-density planting (UHDP) – spacing – Water and nutrient management – Fertigation - Weed management - Canopy management - Training and pruning – Intercultural practices - Off season production - Special horticultural techniques – Use of plant growth regulators – Maturity indices - Harvest and yield – Nutrient deficiencies and physiological disorders and its corrective measures and management of important pest and diseases of important fruit crops **:-** Mango, Banana, Acidlime, Sweet orange, Mandarin, Grapes, Papaya, Guava, Sapota, Pineapple, Jackfruit, Pomegranate, Aonla, Annona, Ber, Apple, Pear, Plum, Peach, Strawberry, Litchi, Avocado, Walnut and Almond and minor tropical, arid and temperate fruit crops.

UNIT- VI: PRODUCTION TECHNOLOGY OF VEGETABLE CROPS

Scope and importance of vegetable crops - Composition and uses - Origin and distribution – Area and production - Soil and climatic requirements - Varieties and hybrids – Propagation methods - Seed rate – Sowing and nursery practises – Containerized seedling production - Season – Planting methods – Water, nutrient and weed management – Fertigation – Training for vegetables – Intercultural practices - Maturity indices – Harvest and yield – Nutrient deficiencies and physiological disorder and its corrective measures of important vegetable crops**:** Tomato, Brinjal, Chilli and Capsicum (Sweet Pepper), Bhendi, Leguminous vegetables (Beans, Peas, Cluster beans, Cowpea, Dolichos bean)**;** Bulbous vegetables (Onion, Garlic)**;** Tuber crops - (Potato, Tapioca, Sweet potato, Elephant footyam, Colacassia)**;** Cucurbitaceous vegetables (Cucumber, Bittergourd, Snakegourd, Ridgegourd, Ashgourd,

Muskmelon, Watermelon, Pumpkin) - Cruciferous vegetables (Cabbage, Cauliflower and Knolkhol); Root vegetables(Carrot, Radish, Beetroot, Turnip) - Leafy vegetables (Spinach, Lettuce, Palak, Amaranthus) – Perennial vegetables (Drumstick, Coccinea) – Protected cultivation of vegetable crops - Precision farming of important vegetable crops and seed production.

UNIT – VII: FLORICULTURE & LANDSCAPE GARDENING

Scope and importance of flower crops production - Uses - Origin and distribution – Area and production - Climate and soil requirement - Species and varieties - Propagation, season - Spacing and planting methods - Irrigation, nutrient management – Fertigation – Weed management - Training and pruning – Intercultural operations – Special horticultural techniques – Growth regulators – Off season production - Maturity indices – Harvest and yield and management of important pest and diseases for important loose flower crops: Jasmine, Rose, Tuberose, Chrysanthemum, Marigold, Nerium and Crossandra - Cut flowers - Rose, Carnation, Anthurium, Orchid and Gerbera – Cutfoliage and fillers. Principles of Landscape designing – Styles of gardening - Types of gardening *viz.*,Hindu, English, Mughal, Japanese, Persian, Italian, French gardening - Garden components – Trees foliage flowering and avenue trees – Burlapping – Shrubs – Flowering annuals creepers and Climbers - Cacti and succulents - Lawn – Astroturf - Types of grasses – Layout, planting and maintenance of lawn – Hedge and edge plants - Indoor plants and interior scaping – Garden adornments - Principles and styles of flower arrangements – Bonsai styles and culture – Industrial, Institutional, Public and Private landscaping - Special types of gardening – Bog garden, dish, terrarium, bottle, roof, vertical gardening and green wall.

UNIT – VIII: PRODUCTION TECHNOLOGY OF SPICES AND PLANTATION CROPS

Scope and Importance of spices and plantation crops - Composition and uses - Origin and distribution – Area and production – Climate and soil requirements - Species and varieties - Season, seed rate / propagation

methods –Spacing - Planting system – High density planting – Irrigation and nutrient management – Fertigation and weed management – Training and pruning – Cropping systems – Multitier cropping – Cover cropping – Inter cropping - Growth regulators – Mulching Shade and canopy regulation – Maturity indices, harvest, yield and management of important pest and diseases and processing m et h od s of important plantation and spice crops**:** Major, seed, tree, herbal spices and minor spices - Black Pepper, Cardamom, Turmeric, Ginger, Curry leaf, Clove, Nutmeg, Cinnamon, Coriander, Fenugreek, Cumin, Tamarind, all spice and vanilla – Plantation crops - Tea, Coffee, Rubber, Cocoa, Coconut, Oilpalm, Cashew, Palmyrah, Arecanut.

UNIT – IX: PRODUCTION TECHNOLOGY OF MEDICINAL AND AROMATIC CROPS

Scope and importance of medicinal and aromatic crops - Composition and uses - Origin and distribution – Area and production - *Ex situ* and *insitu* conservation – Classification of medicinal and aromatic crops – Constraints in medicinal plant cultivation - Climate and soil – Varieties – Propagation - Nursery practices -Planting methods - Cropping systems – Manures & fertilizers – Irrigation – Intercultural operations – Harvest indices – Harvest & yield and management of important pest and diseases - Production systems - Contract farming – GAP – GCP – GMP - Organic production and certification – Classification and distillation methods of essential oils – Secondary metabolite production - Value addition - Organisational support for promotion of medicinal and aromatic crops - Medicinal crops**:** Senna, Periwinkle, Glory lily, Aswagandha, Medicinal coleus and Solanum, Sweet flag, Aloe, Isabgol, *Phyllanthus*, *Stevia*, Opium poppy. Aromatic crops**:** Lemon grass, Citronella, Vetiver, Ocimum, Davana, Mint, Geranium, Patchouli and Eucalyptus.

UNIT - X: POST- HARVEST TECHNOLOGY OF HORTICULTURAL CROPS

Importance of post-harvest handling in horticultural crops – Maturity indices – Post- harvest handling methods – Washing – Grading - Waxing – Grades and standards – Methods of packing - Types of containers and their advantages and disadvantages – Storage - Principles and methods of refrigerated and gas storage - Storage methods - Pre-cooling - Controlled atmospheric storage, Modified atmospheric storage – Low pressure storage and cold chain concept - Importance and scope of processing industry in India, general principles of fruit and vegetable preservation like canning, dehydration, freezing, fermentation - Use of chemicals(preservatives) and irradiation – GMP – Food safety and qualitycontrol.

SYLLABUS FOR WRITTEN EXAMINATION

SUBJECT PAPER : AGRICULTURE (PG DEGREE STANDARD)

CODE NO.285

UNIT- I: CROP PRODUCTION PRINCIPLES AND PRACTICES

Weather and crop production – Agro – ecological zones and geographical distribution of crop plants in Tamil Nadu Cropping systems – different types and their importance in food production - Package of practices followed for field crops and cropping systems in Tamil Nadu - Production technologies for ornamentals, vegetables, fruits, spices, Plantation crops, indoor and Medicinal plants - Role of growth regulators in vegetables and fruit production.

UNIT - II: WATER AND WEED MANAGEMENT PRINCIPLES AND PRACTICES

Water Management - Integrated water management - common area management - Different efficiencies in irrigation management-Irrigation management under constraints of irrigation water. Weed management - Important weeds and their distribution in Tamil Nadu - Integrated weed management practices.

UNIT - III: CROPPING SYSTEMS AND THEIR MANAGEMENT

Tillage and Dry land agriculture - Tillage Management under wet and dry land agriculture water harvesting techniques - Technologies for increasing agricultural production in rainfed agriculture. Agroforestry - Waste land development: Problems and Prospects in Tamilnadu - Farm forestry Agroforestry Social forestry, Natural forestry.

UNIT - IV: SOIL MANAGEMENT FOR SUSTAINABLE AGRICULTURE

Soil types of Tamilnadu and their important Physico-chemical properties and their management-problem soils - management-soil fertility management Integrated Nutrient management.

UNIT – V: SEED PRODUCTION-PRINCIPLES, PRACTICES AND POLICIES

Seed production in Vegetatively propagated crops - Seed processing – Dormancy Seed treatment - Seed pelleting - Seed Certification - Certified seed production - Seed Act, New seed policy - seed storage - seed industry - Management of Physiological disorders in crop plants for improving seed health and quality.

UNIT - VI: PRINCIPLES AND PRACTICES IN CROP IMPROVEMENT AND CROP BIOTECHNOLOGY

Germplasm - crop genetic resources – Innovative breeding methods such as Mutation breeding - Marker assisted selection and breeding - Transgenic technology and applications.

UNIT - VII: PRINCIPLES AND PRACTICES IN PEST MANAGEMENT

Pest - Definition – categories of pests including invasive pests - Pests control and pest management -- natural, artificial – IPM – Principles, components and integration - Ecological aspects of IPM – various IPM methods - IPM for important pests and nematodes of crops - Role of parasitoids, predators, and entomopathogens (NPV, Bt, Fungus) in IPM – Biointensive and biotechnological pest management methods - Store grain pest management.

UNIT - VIII: PRINCIPLES AND PRACTICES IN PLANT DISEASE MANAGEMENT

Bacterial, fungal and viral diseases in major crops – Disease Surveillance – Assessment and forecasting integrated disease management for important plants – Integrated Disease management – Role of antagonistic organisms. Biotechnological approaches in disease Management.

UNIT - IX: FARMING SYTEMS AND MANAGEMENT

Farming systems-Integrated farming systems - Farm planning and budgeting. Farm business management - farm management-principles and decision making Management of resources - land, labour, capital and machinery -Farm financial management - Agricultural marketing management - world trade concept economic liberalisation – GATT – IPR issues in agriculture.

UNIT - X: TRANSFER OF TECHNOLOGY

Use of modern agricultural information systems –ICT for effective Transfer of technology – importance of tot in agricultural development - Principles of farm journalism - participatory technology development.

SYLLABUS FOR WRITTEN EXAMINATION

PART - A
TAMIL ELIGIBILITY TEST (SSLC STANDARD)
கட்டாய தமிழ்மொழி தகுதித் தேர்விற்கான பாடத்திட்டம்
(கொள்குறி வினாவிற்கான தலைப்புகள்)
பத்தாம் வகுப்பு தரம்

1. பிரித்தெழுதுதல் / சேர்த்தெழுதுதல்.
2. எதிர்ச்சொல்லை எடுத்தெழுதுதல்.
3. பொருந்தா ச்சொல்லைக் கண்டறிதல்.
4. பிழை திருத்தம் (i) சந்திப்பிழையை நீக்குதல் (ii) மரபுப் பிழைகள், வழுவுச் சொற்களை நீக்குதல் / பிறமொழிச் சொற்களை நீக்குதல்.
5. ஆங்கிலச் சொல்லுக்கு நேரான தமிழ்ச் சொல்லை அறிதல்.
6. ஒலி மற்றும் பொருள் வேறுபாடறிந்து சரியான பொருளையறிதல்.
7. ஒரு பொருள் தரும் பல சொற்கள்.
8. வேர்ச்சொல்லைத் தேர்வு செய்தல்.
9. வேர்ச்சொல்லைக் கொடுத்து / வினைமுற்று, வினையெச்சம், வினையாலணையும் பெயர், தொழிற்பெயரை / உருவாக்கல்.
10. அகர வரிசைப்படி சொற்களை சீர் செய்தல்.
11. சொற்களை ஒழுங்குப்படுத்தி சொற்றொடராக்குதல்.
12. இருவினைகளின் பொருள் வேறுபாடு அறிதல்.
    (எ.கா) குவிந்து-குவித்து
13. விடைக்கேற்ற வினாவைத் தேர்ந்தெடுத்தல்.
14. எவ்வகை வாக்கியம் என க்கண்டெழுதுதல் - தன்வினை, பிறவினை, செய்வினை, செயப்பாட்டு வினை வாக்கியங்களைக் கண்டெழுதுதல்.
15. உவமையால் விளக்கப்பெறும் பொருத்தமான பொருளைத் தேர்ந்தெழுதுதல்
16. அலுவல்சார்ந்த சொற்கள் (கலைச்சொல்)
17. விடைவகைகள்.
18. பிறமொழிச் சொற்களுக்கு இணையான தமிழ்ச் சொற்களைக் கண்டறிதல் (எ.கா) கோல்டுபிஸ்கட் – தங்கக்கட்டி.
19. ஊர்ப் பெயர்களின் மரூஉவை எழுதுக (எ.கா) தஞ்சாவூர் – தஞ்சை
20. நிறுத்தற்குறிகளை அறிதல்.

21. **பேச்சு வழக்கு, எழுத்து வழக்கு** (வாரான் – வருகிறான்).

22. **சொற்களை இணைத்து புதிய சொல் உருவாக்கல்.**

23. **பொருத்தமான காலம் அமைத்தல்**
    (**இறந்தகாலம், நிகழ்காலம், எதிர்காலம்**).

24. **சரியான வினாச் சொல்லைத் தேர்ந்தெடு.**

25. **சரியான இணைப்புச் சொல்**
    (**எனவே, ஏனெனில், ஆகையால், அதனால், அதுபோல**).

26. **அடைப்புக்குள் உள்ள சொல்லைத் தகுந்த இடத்தில் சேர்க்க.**

27. **இருபொருள் தருக.**

28. **குறில் – நெடில் மாற்றம், பொருள் வேறுபாடு.**

29. **கூற்று, காரணம் – சரியா? தவறா?**

30. **கலைச்சொற்களை அறிதல்** :–
    எ.கா. – Artificial Intelligence – **செயற்கை நுண்ணறிவு**
    Super Computer   – **மீத்திறன் கணினி**

31. **பொருத்தமான பொருளைத் தெரிவு செய்தல்**

32. **சொற்களின் கூட்டுப் பெயர்கள்** (எ.கா.) புல் –புற்கள்

33. **சரியான தொடரைத் தேர்ந்தெடுத்தல்**

34. **பிழை திருத்துதல்** (ஒரு-ஓர்)

35. **சொல் – பொருள் – பொருத்துக**

36. **ஒருமை-பன்மை பிழை**

37. **பத்தியிலிருந்து வினாவிற்கான சரியான விடையைத் தேர்ந்தெடு.**

Paper-II

PART - B

GENERAL STUDIES (DEGREE STANDARD)

CODE NO.003

UNIT-I: GENERAL SCIENCE

(i) Scientific Knowledge and Scientific Temper - Power of Reasoning - Rote Learning vs Conceptual Learning - Science as a tool to understand the past, present and future.

(ii) Nature of Universe - General Scientific Laws – Mechanics - Properties of Matter, Force, Motion and Energy - Everyday application of the Basic Principles of Mechanics, Electricity and Magnetism, Light, Sound, Heat, Nuclear Physics, Laser, Electronics and Communications.

(iii) Elements and Compounds, Acids, Bases, Salts, Petroleum Products, Fertilisers, Pesticides.

(iv) Main concepts of Life Science, Classification of Living Organisms, Evolution, Genetics, Physiology, Nutrition, Health and Hygiene, Human Diseases.

(v) Environment and Ecology.

UNIT-II: CURRENT EVENTS

(i) History - Latest diary of events - National symbols - Profile of States - Eminent personalities and places in news – Sports-Books and authors.

(ii) Polity – Political parties and political system in India-Public awareness and General administration- Welfare oriented Government schemes and their utility, Problems in Public Delivery Systems.

(iii) Geography-Geographical landmarks.

(iv) Economics-Current socio-economic issues.

(v) Science-Latest inventions in Science and Technology.

(vi) Prominent Personalities in various spheres – Arts, Science, Literature and Philosophy.

UNIT–III: GEOGRAPHY OF INDIA

(i) Location – Physical features - Monsoon, Rainfall, Weather and Climate - Water Resources - Rivers in India - Soil, Minerals and Natural Resources - Forest and Wildlife - Agricultural pattern.

(ii) Transport -Communication.

(iii) Social Geography – Population density and distribution- Racial, Linguistic Groups and Major Tribes.

(iv) Natural calamity – Disaster Management – Environmental pollution: Reasons and preventive measures – Climate change – Green energy.

UNIT–IV: HISTORY AND CULTURE OF INDIA

(i) Indus Valley Civilization - Guptas, Delhi Sultans, Mughals and Marathas - Age of Vijayanagaram and Bahmani Kingdoms - South Indian History.

(ii) Change and Continuity in the Socio - Cultural History of India.

(iii) Characteristics of Indian Culture, Unity in Diversity –Race, Language, Custom.

(iv) India as a Secular State, Social Harmony.

UNIT-V: INDIAN POLITY

(i) Constitution of India - Preamble to the Constitution- Salient features of the Constitution- Union, State and Union Territory.

(ii) Citizenship, Fundamental Rights, Fundamental Duties, Directive Principles of State Policy.

(iii) Union Executive, Union Legislature – State Executive,   State Legislature – Local Governments, Panchayat Raj.

(iv) Spirit of Federalism: Centre-State Relationships.

(v) Election - Judiciary in India – Rule of Law.

(vi) Corruption in Public Life – Anti-corruption measures – Lokpal and Lok Ayukta - Right to Information- Empowerment of Women-Consumer Protection Forums, Human Rights Charter.

UNIT-VI: INDIAN ECONOMY

(i) Nature of Indian Economy – Five year plan models - an assessment – Planning Commission and Niti Ayog.

(ii) Sources of revenue – Reserve Bank of India – Fiscal Policy and Monetary Policy - Finance Commission – Resource sharing between Union and State Governments - Goods and Services Tax.

(iii) Structure of Indian Economy and Employment Generation, Land Reforms and Agriculture - Application of Science and Technology in Agriculture - Industrial growth - Rural Welfare Oriented Programmes – Social Problems – Population, Education, Health, Employment, Poverty.

UNIT-VII: INDIAN NATIONAL MOVEMENT

(i) National Renaissance –Early uprising against British rule - Indian National Congress - Emergence of leaders –B.R.Ambedkar, Bhagat Singh, Bharathiar, V.O. Chidambaranar Jawaharlal Nehru, Kamarajar, Mahatma Gandhi, Maulana Abul Kalam Azad, Thanthai Periyar, Rajaji, Subash Chandra Bose, Rabindranath Tagore and others.

(ii) Different modes of Agitation: Growth of Satyagraha and Militant Movements.

(iii) Communalism and Partition.

UNIT-VIII: History, Culture, Heritage and Socio-Political Movements in Tamil Nadu

(i) History of Tamil Society, related Archaeological discoveries, Tamil Literature from Sangam Age till contemporary times.

(ii) Thirukkural :   (a) Significance as a Secular Literature
                            (b) Relevance to Everyday Life
                            (c) Impact of Thirukkural on Humanity
                            (d) Thirukkural and Universal Values - Equality,
                                    Humanism, etc
                            (e) Relevance to Socio-Politico-Economic affairs
                            (f)   Philosophical content in Thirukkural

(iii) Role of Tamil Nadu in freedom struggle - Early agitations against British Rule - Role of women in freedom struggle.

(iv) Evolution of 19th and 20th Century Socio - Political Movements in Tamil Nadu - Justice Party, Growth of Rationalism - Self Respect Movement, Dravidian Movement and Principles underlying both these Movements, Contributions of Thanthai Periyar and Perarignar Anna.

UNIT–IX: Development Administration in Tamil Nadu

(i) Human Development Indicators in Tamil Nadu and a comparative assessment across the Country – Impact of Social Reform Movements in the Socio - Economic Development of Tamil Nadu.

(ii) Political parties and Welfare schemes for various sections of people – Rationale behind Reservation Policy and access to Social Resources - Economic trends in Tamil Nadu – Role and impact of social welfare schemes in the Socio-Economic Development of Tamil Nadu.

(iii) Social Justice and Social Harmony as the Cornerstones of Socio-Economic Development.

(iv) Education and Health Systems in Tamil Nadu.

(v) Geography of Tamil Nadu and its impact on Economic growth.

(vi) Achievements of Tamil Nadu in various fields.

(vii) e-Governance in Tamil Nadu.

UNIT-X: APTITUDE AND MENTAL ABILITY

(i) Simplification – Percentage - Highest Common Factor (HCF) - Lowest Common Multiple (LCM).

(ii) Ratio and Proportion.

(iii) Simple interest - Compound interest - Area - Volume - Time and Work.

(iv) Logical Reasoning - Puzzles-Dice - Visual Reasoning - Alpha numeric Reasoning – Number Series.

ANNEXURE - II

Sl. No.	Equivalent Qualifications	Government Orders
1.	தமிழ்நாடு வேளாண்மைப் பல்கலைக் கழகத்தால் வழங்கப்படும் பிடெக்/(தோட்டக்கலை) (B.Tech (Horticulture) பட்டப்படிப்பு அதே பல்கலைக்கழகத்தால் வழங்கப்படும் இளங்கலை அறிவியல்(தோட்டக்கலை) (B.Sc / Horticulture) பட்டப்படிப்பிற்கு இணையானது என அங்கீகரிக்கலாம் என ஆணையிடப்பட்டுள்ளது.	அரசாணை (நிலை) எண்.7, வேளாண்மை (பக) துறை, நாள் 10.01.2011.
2.	The nomenclature for the Degree programme B.Sc (Agriculture) and the Degree programme B.Sc (Horticulture) has been revised as B.Sc (Hons.) Agriculture and B.Sc (Hons.) Horticulture respectively.	G.O (Ms) No.200, Agriculture (AU) Department, dated 02.09.2020
3.	The Government in Higher Education Department has issued orders vide G.O.(Ms)No. 33, Higher Education (K1) Department, dated 15.02.2021 is as follows:- **The Government validate and approve that two recognized Regular/traditional/conventional degrees offered by the educational institutions in the same name, without any additional nomenclature, not compromising in duration in accordance with the norms of the Regulating Authorities be treated as equivalent for the purpose of employment in public services. (Resolution No.37)**	

ANNEXURE – III

LIST OF DOCUMENTS TO BE SCANNED AND UPLOADED
ALONG WITH THE ONLINE APPLICATION
(Size of each document should be less than 200 KB
in PDF format (Single page or Multiple page))

1.	SSLC Mark Sheet
2.	HSC Mark Sheet or its equivalent.
3.	UG/PG – Provisional / Degree Certificate / Consolidated Mark sheet / Government Order for Equivalence (if applicable).
4.	G.O for Equivalence of qualification to the prescribed qualification (if applicable).
5.	Evidence for adequate knowledge in Tamil (if applicable).
6.	PSTM Certificate from 1st Std. to prescribed educational qualification of entire duration (if claimed in the online application)
7.	Community Certificate with Father's Name / Mother's Name and evidence of Religion.
8.	Differently Abled Certificate obtained from the Medical Board / Scribe Assistant (if claimed in the online application)
9.	Exemption for Tamil Eligibility Test (if claimed in the online application) Disability Certificate as prescribed in G.O.(Ms) No.8, Welfare of Differently Abled Persons (DAP 3.2) Department, dated 21.09.2021. Model format enclosed with Appendix to Annexure – IV of this Notification.
10.	Ex-Servicemen Certificate (if claimed in the online application)
11.	Destitute Widow Certificate (if applicable)
12.	Transgender ID Card with Gender (if claimed in the online application)
13.	Gazetted copy for name change (if applicable)
14.	No Objection Certificate (if applicable)
15.	Documents / Court Orders proving Acquittal / Conviction or FIR in case of pending cases for Criminal cases registered (if applicable)
16.	Other documents (if applicable)

For further details refer para 2W of "Instructions to Applicants"

ANNEXURE – IV

APPENDIX

Certificate regarding physical limitation in an examinee to write

This is to certify that, I have examined Mr/Ms/Mrs _____(name of the candidate with disability) a person with _____(nature and percentage of disability as mentioned in the certificate of disability), S/O/D/o_____ a resident of _____ (Village / District / State) and to state that He / She has physical limitation which hampers his/her writing capabilities owning to his/her disability.

Due to the above mentioned disability following concession may be given:-

1. Exemption from Tamil / Second Language
2. Extra _____ hours for writing theory exam.
3. Allocation of a scribe.
4. Over looking spelling mistakes and grammatical errors.
5. Using calculator / assistive devices.
6. _____(any other assistive devices or concessions).
     *strike out the not applicable.

                                                                        Signature
          (Chief Medical Officer/Civil Surgeon/Medical Superintendent/signature of
            the notified medical authority of a Government health care institution)

                                                                Name & Designation

 Name of the Government Hospital/Health Care Centre/The notified medical authority

Place:
Date:

Signature / Thumb impression
of the Differently abled person

(Photo of the Differently Abled Person and Stamp to be fixed here)

Note:
Certificate should be given by a specialist of the relevant stream/ disability
(eg, Visual impairment – Ophthalmologist, Locomotor disability – Orthopedic specialist/ PMR .etc)

<u>சுருக்கம்</u>

தெரிவுகள் — தமிழ்நாட்டில் உள்ள அனைத்து தெரிவு முகமைகளால் நடத்தப்படும் போட்டித் தேர்வுகளில் தமிழ் மொழித் தகுதித் தேர்வினை எழுதுவதிலிருந்து மாற்றுத்திறனாளி தேர்வர்களுக்கு விலக்களித்தல் — ஆணைகள் வெளியிடப்படுகின்றன.

மனிதவள மேலாண்மை (எம்)த் துறை

அரசாணை (நிலை) எண்.49

நாள்: 23.05.2022
சுபகிருது வருடம், வைகாசி – 09,
திருவள்ளுவர் ஆண்டு 2053

படிக்கப்பட்டது:

1. அரசாணை (நிலை) எண்.133, மனிதவள மேலாண்மை (எம்) துறை, நாள் 01.12.2021.

2. செவித்திறன் குறைபாடு உள்ளவர்களின் பெற்றோர் சங்கத்தின் செயலாளரின், 01.03.2022-ம் நாளிட்ட மனு

3. செயலாளர், தமிழ்நாடு அரசுப் பணியாளர் தேர்வாணையம், கடித எண்.5476/RND-E/2018, நாள் 05.05.2022

****

<u>ஆணை</u> :

மேலே படிக்கப்பட்ட அரசாணை (நிலை) எண்.133, மனிதவள மேலாண்மை (எம்) துறை, நாள் 01.12.2021-ல் அரசுத் துறைகளில் உள்ள பணியிடங்கள் அனைத்திலும் தமிழக இளைஞர்கள் பெருமளவில் நியமனம் பெற ஏதுவாக, மாநிலத்தின் தெரிவு முகமைகளால் நடத்தப்படும் அனைத்துப் போட்டித் தேர்வுகளிலும் தமிழ்மொழி தகுதித்தாள் கட்டாயமாக்கப்பட்டு ஆணைகள் வெளியிடப்பட்டன. அவ்வரசாணைக்கிணங்க, தமிழ்நாடு அரசுப் பணியாளர் தேர்வாணையம், போட்டித் தேர்வுகளில் தமிழ் மொழித் தாளினை கட்டாயத்தாளாக இணைத்து, அதற்கேற்ப அறிவிக்கைகளை வெளியிட்டு தெரிவு நடவடிக்கையினை மேற்கொண்டுவருகிறது.

2. மேலே இரண்டாவதாகப் படிக்கப்பட்ட, செவித்திறன் குறைபாடு உள்ளவர்களின் பெற்றோர் சங்கத்தின் மனுவில், காது கேளாத மற்றும் வாய்பேச

(த.பி.பா.)

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இயலாத மாற்றுத்திறனாளிகள், இரண்டு அல்லது அதற்கு மேற்பட்ட மொழிகளைக் கற்க சிரமப்படுவார்கள் என்றும், இம்மாணவ மாணவியர்கள் சிலர் முன்பருவபள்ளி முதல் பட்டப்படிப்பு வரை முழுமையாக ஆங்கில வழிக் கல்வியில் மட்டுமே கல்வி கற்றிருப்பார்கள் எனத் தெரிவித்து தமிழ்நாடு அரசுப் பணியாளர் தேர்வாணையத்தால் நடத்தப்படுகின்ற தொகுதி-IV பதவிகளுக்கான போட்டித் தேர்வில் இத்தேர்வர்களுக்கு தமிழ் மொழித் தகுதித் தேர்வு எழுதுவதிலிருந்து விலக்களித்து அவர்களுக்கென தனியாக பொது ஆங்கில தாளினை நடத்த கோரியுள்ளனர்.

3. மேற்காணும் கோரிக்கை குறித்து மாற்றுத்திறனாளிகள் நலத்துறையுடன் கலந்தாலோசிக்கப்பட்டது. மேலும், இது குறித்து மேலே மூன்றாவதாகப் படிக்கப்பட்ட கடிதத்தில் தமிழ்நாடு அரசுப் பணியாளர் தேர்வாணையச் செயலாளர் வழங்கியுள்ள குறிப்புரையினை ஏற்று, அரசாணை (நிலை) எண்.133, மனிதவள மேலாண்மை (எம்) துறை, நாள் 01.12.2021-ல் ஆணையிடப்பட்டுள்ள கட்டாய தமிழ்மொழி தகுதித் தேர்வினை எழுதுவதற்கு மாற்றுத் திறனாளிகளுக்கு விலக்களித்து அரசு பின்வருமாறு ஆணையிடுகிறது:-

(அ) தமிழ்நாடு அரசுப் பணியாளர் தேர்வாணையத்தால், நடத்தப்படும் தொகுதி - I, II, II-A போன்ற இரண்டு நிலைகளைக் கொண்ட தேர்வுகளில், முதன்மை எழுத்துத்தேர்வில் (Main Written exam) கட்டாய தமிழ்மொழித்தாளானது தகுதி தேர்வாக (Tamil eligibility Test) நடத்தப்படுகிறது. இதுபோன்ற தேர்வுகளில் கட்டாயத் தமிழ்மொழி தகுதித் தாளினை எழுதுவதிலிருந்து மாற்றுத் திறனாளிகளுக்கு விலக்களிக்கப்படுகிறது.

(ஆ) தமிழ்நாடு அரசுப் பணியாளர் தேர்வாணையத்தால், நடத்தப்படும் தொகுதி-III, IV, VII-B, VIII, போன்ற ஒரே நிலை கொண்ட தேர்வுகளில் தமிழ் மொழித்தாளானது, தகுதி மற்றும் மதிப்பீட்டுத் தேர்வாக (Tamil Eligibility-cum-Scoring Test) நடத்தப்படுகிறது. இத்தேர்வுகளில், Board / University-ல் ஆங்கில மொழிப் பாடம் மட்டுமே படித்த மாற்றுத்திறனாளிகளுக்கு, தமிழ் மொழித்தாள் எழுதுவதிலிருந்து விலக்களிக்கப்படுகிறது. அதற்குபதில், ranking மதிப்பீடு செய்வதற்காக, அவர்களுக்கென்று தனியாக பொது ஆங்கிலத்தேர்வு (SSLC standard-ல்) நடத்தப்படும். (இத்தேர்வுகளில் மொழி பெயர்ப்புப்பகுதி இடம் பெறாது).

(இ) அரசாணை (நிலை) எண்.133, மனிதவள மேலாண்மை (எம்) துறை, நாள் 01.12.2021-ல் ஆணையிடப்பட்டுள்ள கட்டாய தமிழ் மொழித் தாளிலிருந்து மாற்றுத்திறனாளிகளுக்கான விலக்கு, தமிழ்நாடு அரசுப் பணியாளர் தேர்வாணையம் மட்டுமல்லாமல், மாநிலத்தின் மற்ற தெரிவு முகமைகளால் நடத்தப்படும் அனைத்து போட்டித் தேர்வுகளுக்கும் மற்றும் நியமன அலுவலர்களால் தேவைப்படும் நேர்வுகளில் நடத்தப்படும் எழுத்துத் தேர்வுகளுக்கும் பொருந்தும்.

(ஈ) இவ்வாறான விலக்கு, அரசாணை (நிலை) எண்.62, பள்ளிக் கல்வித்துறை, நாள் 25.03.2022-ல் குறிப்பிடப்பட்டுள்ள மாற்றுத் திறனாளிகளுக்குப்

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பொருந்தும். மேற்காண் அரசாணையில் குறிப்பிடப்பட்டுள்ள மாற்றுத்திறனாளிகளின் தொடர்பான விவரப் பட்டியல் கீழ்கண்டவாறு:-

(1)	உடல்குறைபாடு – உடல் இயக்கக் குறைபாடு	Physical disability – Locomotor disability, Leprosy cured, Cerebral palsy, Dwarfism, Muscular Dystrophy, Acid Attack victims.
(2)	உடல் குறைபாடு – பார்வைக் குறைபாடு	Physical disability – Visual Impairment – Blindness, Low Vision
(3)	உடல் குறைபாடு – செவித்திறன் குறைபாடு	Physical disability – Hearing Impairment – Deafness, Hard of hearing
(4)	உடல் குறைபாடு – பேச்சு மற்றும் மொழித்திறன் குறைபாடு	Physical disability – Speech and Language disability
(5)	அறிவுசார் குறைபாடு	Intellectual disability, Specific Learning disability (Dyslexia, Dysgraphia, Dyscalculia, Dysprasia), Developmental Aphasia, Autism Spectrum Disorder
(6)	மன நலம் சார்ந்த குறைபாடு – மனநலம் பாதிப்பு	Mental Behaviour – Mental illness
(7)	நாள் பட்ட நரம்பியல் குறைபாடுகள்	Disability caused due to Chronic Neurological conditions, Multiple Sclerosis, Parkinson's disease, Haemophilia, Thalassemia, Sickle Cell disease
(8)	பன்முகக் குறைபாடுகள் (பார்வையின்மையோடு செவித்திறன் குறைபாடு உட்பட)	Multiple Disabilities including deaf, blindness

இவ்விலக்கு 40 சதவிதத்திற்கும் குறைவான குறைபாடுகளைக் கொண்ட மாற்றுத் திறனாளிகளுக்கும் பொருந்தும்.

(உ) இவ்விலக்கினை பெறவிரும்பும் மாற்றுத்திறனாளிகள் உரிய மாற்றுத்திறனாளி சான்றிதழ் (Disability Certificate) சமர்ப்பித்தல் வேண்டும்.

(ஆளுநரின் ஆணைப்படி)

மைதிலி கே.ராஜேந்திரன்
அரசு செயலாளர்

பெறுநர்

செயலாளர், தமிழ்நாடு அரசுப் பணியாளர் தேர்வாணையம், சென்னை – 600 003.
அரசுக் கூடுதல் தலைமைச் செயலாளர், உ.ள், மதுவிலக்கு மற்றும்
ஆயத்தீர்வை துறை, சென்னை – 600 009.

(த.பி.பா.)

ANNEXURE – V

CERTIFICATE OF PHYSICAL FITNESS BY   <u>A SINGLE MEDICAL OFFICER</u>
                                          THE CIVIL MEDICAL BOARD

Signature of Candidate_____

I/We hereby certify that I/We have examined (full name) Thiru/Thirumathi /Selvan/Selvi_____

a Candidate_____for employment under the Government as _____in the

_____Office in the_____

_____department and whose signature is given above and cannot discover that he/she has any disease, communicable or otherwise constitutional affliction or bodily infirmity/except that his/her weight is in excess of/below the standard prescribed or except.

I/We do not consider this a disqualification for the employment he/she seeks.

His/Her age is according to his/her own statement   Years and by appearance about   Years

I/We also certify that he/she has marks of smallpox/vaccination.

Chest measurement in   <u>On full inspiration</u>
                               <u>On full expiration</u>
                               Difference expansion

Weight in Kg.

Cardio – Vascular System

Respiratory system

His/Her vision is normal

Hypermetropic/   Myopic/   Astigmatic/

(Here enter the degree of defect and the strength of correction glasses)

Hearing is normal/defective (much or slight)

Urine – Does chemical examination show-

(I) Albumen   (II) Sugar   State Specific gravity

Personal marks (at least two should be mentioned)   For Identification

                                                     1.

                                                     2.

Signature:
Rank:
Designation: President

                                               Members (i)
                                                            (ii)

Station: Station:
Date: Date:

2

The candidate must make the statement required below prior to his/her medical examination and must sign the declaration appended thereto. His attention is specially directed to the warning contained in the note below:-

1. State your name in full

2. State your age and date of Birth

3. (a) Have you ever had small-pox intermittent
or any other fever, enlargement or
suppuration of glands, spitting of blood,
asthma, inflammation of lungs, heart disease
fainting attacks, rheumatism, appendicitis?

OR

(b) Any other disease or accident requiring
confinement to bed and medical or surgical
treatment?

4. When were you last vaccinated

5. Have you or any of your near relation been
afflicted with consumption, serefula gout,
asthma, fits, epilepsy or insanity?

6. Have you suffered from any form of nervousness
due to over work or any other cause?

7. Furnish the following details concerning your family

Father's age, if living and state of health

Father's age, if living and state of health (1)	Father's age at death and cause of death (2)	Number or brothers living, their ages and state of health. (3)	Number of brothers dead, their ages at and cause of death (4)

Mother's age, if living and state of health (1)	Mother's age at death and cause of death (2)	Number of sisters living, their ages and state of health. (3)	Number of sisters dead, their ages at and cause of death (4)

I declared all the above answers to be, to the best of my belief, true and correct,

Candidate's Signature

Note:- The candidate will be held responsible for the accuracy of the above statement. by wilfully suppressing any information he will incur the risk of losing the appointment and if appointed, of forfeiting all claim to superannuation allowance or gratuity

MedI. I-68.

<u>ANNEXURE – VI</u>

COMPUTER BASED TEST (CBT)
IMPORTANT INSTRUCTIONS
OBJECTIVE TYPE

a) One question will be displayed on the screen at a time.
.

b) Time available for you to complete the examination will be displayed through a countdown timer in the top right-hand corner of the screen. It will display the remaining time as **Time Left**. At the beginning of exam, timer will show 180 minutes (240 minutes for Differently Abled candidates with scribe) which will reduce gradually with passage of time. When the timer reaches zero, the examination will end by itself and your examination will be submitted by the system automatically.

c) **Question Number Box:**

1. Question Number Box displayed on the right side of the screen will show the status of each question using one of the following symbols:

1 You have not visited the question yet.

2 You have not answered the question.

3 You have answered the question.

4 You have NOT answered the question, but have marked the question for review.

5 You have answered the question and marked for review. This will be considered for evaluation.

The 'Marked for Review' status for a question simply indicates that you would like to look at that question again.

2. You can click on the **">"** arrow which appears to the left of question number box to minimize the question number box. This will enable you to view the question on a bigger area of the screen. To view the question number box again, you can click on **"<"** arrow which appears on the right side of the screen.

You can click on ⬇ to navigate to the bottom and ⬆ to navigate to

the top of the question area, without scrolling.

3. The summary of number of questions answered, not answered, not visited, marked for review and answered and marked for review will be displayed above the question number box.

d) Answering a Question

i) The questions will appear on the screen in ascending order, which can be answered one by one.

   .

ii) To select your answer of a question, click on the button of one of the options.

iii) **Click on Save and Next button after answering every question to save your answer.** Otherwise your answer will not be saved.

iv) To deselect your chosen answer, click on the button of the chosen option again or click on the **Clear Response** button.

.

e) Instruction for enlarging images

To view the image provided in the question in a bigger size, click on the image and rotate the scrolling wheel on the mouse.

Any attempt of malpractice found, will render you liable to such action or penalty as Commission may decide.

ANNEXURE - VII

TENTATIVE TIMELINE FOR THE RECRUITMENT PROCESS

Sl. No.	Process	Timeline
1.	Last date upto which the Online Application can be edited/ submitted/ payment of fees can be made	10.02.2023
2.	Online Application Correction Window period	From **15.02.2023** 12.01 A.M to **17.02.2023** 11.59 P.M
3.	Last date upto which the applicants are permitted to upload/ re-upload the documents	07.05.2023
4.	Publication of Examination Results	July 2023
5.	Certificate Verification / Oral Test	August 2023
6.	Counselling	August 2023

Secretary