TAMIL NADU PUBLIC SERVICE COMMISSION

Advertisement No.675

Notification No.26/2023   **DATED:25.11.2023**

Applications are invited from eligible candidates only through online mode upto 24.12.2023 for direct recruitment to the posts of **Assistant Agricultural Officer in Tamil Nadu Agricultural Extension Subordinate Service and Assistant Horticultural Officer in Tamil Nadu Horticultural Subordinate Service.**

Examination for these posts shall be conducted in 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 they should apply online for this recruitment. [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. For further details refer para 2 of the "Commission's Instructions to Applicants".

2. DETAILS OF VACANCIES:

Name of the Post	Name of the Service	No. of vacancies	Scale of pay
Assistant Agricultural Officer (Post Code No.3101)	Tamil Nadu Agricultural Extension Subordinate Service (Code No.102)	79*+5 C/F	Rs.20,600 - 75,900/- (Level-10)
Assistant Horticultural Officer (Post Code No.3104)	Tamil Nadu Horticultural Subordinate Service (Code No.105)	148*+31 C/F	

C/F –Carried Forward Vacancies

*Vacancies shown here are the vacancies after deducting 3% of vacancies for the reservation for meritorious sports persons as per G.O.(Ms) No.6, Youth Welfare and Sports Development (S1) Department, Dated 20.02.2019.

Note:

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 for this recruitment;

FOR THE POST OF ASSISTANT AGRICULTURAL OFFICER:-

1. Carried forward vacancies-05

GT_G_(ASD/ID/SLD/MI/MD)	BC_G_(LV/VI)	BC_G_(LD/CP/LC/DF/AC/MuD)	SC_G_(LD/CP/LC/DF/AC/MuD)	Total
1	2	1	1	5

2. Regular vacancies - 79

SC_G	SC_W	SC_EX	SC_W_(LD/CP/LC/DF/AC/MuD)	SC_G_PSTM	SC_W_PSTM	MBC/DC_G	MBC/DC_W	MBC/DC_DW	MBC/DC_G_(LV/VI)	MBC/DC_G_(HH/HI)	MBC/DC_G_PSTM	MBC/DC_W_PSTM
6	2	1	1	1	1	7	3	1	1	1	2	1

BC_G	BC_W	BC_EX	BC_G_PSTM	BC_W_PSTM	BC_DW_PSTM	GT_G	GT_W	GT_EX	GT_G_PSTM	GT_W_PSTM	GT_DW_PSTM	GT_W_(ASD/ID/SLD/MI/MD)	SCA_G	SCA_W	BCM_G	BCM_W	TOTAL
10	4	1	3	1	1	13	3	1	4	2	1	1	2	1	2	1	79

FOR THE POST OF ASSISTANT HORTICULTURAL OFFICER:-

1. Carried forward vacancies-31

GT_G_(ASD/ID/SLD/MI/MD)	BC_G_(LV/VI)	GT_G_(LD/CP/LC/DF/AC/MuD)	GT_G_(HH/HI)	BC_G_(ASD/ID/SLD/MI/MD)	BCM_G	SC_G_(HH/HI)	Total
1	1	2	1	1	24	1	31

2. Regular Vacancies -148

SC_G	SC_W	SC_W_(LV/VI)	SC_G_PSTM	SC_W_PSTM	SC_EX_PSTM	ST_G	MBC/DC_G	MBC/DC_W	MBC/DC_DW	MBC/DC_EX	MBC/DC_G_(LD/CP/LC/DF/AC/MuD)	MBC/DC_G_PSTM	MBC/DC_W_PSTM	MBC/DC_G_(ASD/ID/SLD/MI/MD)	BC_G	BC_W	BC_DW	BC_EX	BC_W_(HH/HI)	BC_G_PSTM	BC_W_PSTM	BC_G_(ASD/ID/SLD/MI/MD)
11	5	1	3	1	1	1	14	6	1	1	1	4	2	1	19	8	1	2	1	5	2	1

GT_G	GT_W	GT_DW	GT_EX	GT_G_(HH/HI)	GT_G_PSTM	GT_W_PSTM	GT_DW_PSTM	SCA_G	SCA_W	SCA_DW	SCA_EX	SCA_G_PSTM	BCM_G	BCM_W	BCM_DW	BCM_G_PSTM	TOTAL
23	10	1	2	1	6	2	1	1	1	1	1	1	2	1	1	1	148

4. IMPORTANT DATE AND TIME:

Date of Notification	**25.11.2023**
Last date for submission of online application	**24.12.2023**
Application Correction Window Period	**From** **29.12.2023 - 12.01 a.m.** **To** **31.12.2023 - 11.59 p.m.**
DATE OF EXAMINATION (COMPUTER BASED TEST)	
PAPER –I: (Subject Paper) **(Diploma Standard)**	**07.02.2024** **09.30 a.m. to 12.30 p.m.**
PAPER – II: **PART A:Tamil Eligibility Test (SSLC Standard)** **and** **PART B : General Studies (SSLC Standard)**	**07.02.2024** **02.30 P.M. to 05.30 p.m.**

Note:
Refer Annexure-VI of this Notification regarding tentative timeline for the recruitment process.

5. QUALIFICATIONS:

(A)AGE LIMIT (as on 01.07.2023) (for both the posts):

Category of Applicants	Minimum Age (Should have completed)	Maximum Age
SCs, SC(A)s, STs, MBCs/DCs, BC(OBCM)s, BCMs and Destitute Widows of All Categories	18 Years	No maximum Age limit
'OTHERS' [i.e. candidates not belonging to SCs, SC(A)s, STs, MBCs/DCs, BC(OBCM)s and BCMs]		32 years@ (Should not have Completed)

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

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:

1. **For Persons with Benchmark Disability:-**

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

2. **For Ex-servicemen:-**

   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). 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 25.11.2023):-

Name of the Post	Educational Qualification
ASSISTANT AGRICULTURAL OFFICER	**(i) Must have passed Higher Secondary (plus two) Examination.** **(ii) Must possess two years Diploma in Agriculture from the Institution recognized by the Government of Tamil Nadu or affiliated with the Tamil Nadu Agricultural University; or Gandhigram Rural Institute, Dindigul District; or Annamalai University or any other institution under the control of the Commissioner of Agriculture.** **Note:** **1. Candidate who have not possessed the two year Diploma in Agriculture are not eligible for the post of Assistant Agricultural Officer even though they possess Higher Qualification.** **2. Diploma in Agricultural Technology (3 Years Course) is not the prescribed Educational qualification as per the special rule for the Tamil Nadu Agricultural Extension Subordinate Service.**
ASSISTANT HORTICULTURAL OFFICER	**1) A Pass in Higher Secondary Examination.** **and** **A pass in two years Diploma course in Horticulture in the Institutions approved by Tamil Nadu Agricultural University / Gandhigram Rural University / Director of Horticulture and Plantation Crops or Diploma course in Horticulture awarded by the Annamalai University.** **Note:-** **1. Degree Holders in Horticulture are not eligible for the post of Assistant Horticultural Officer.** **2. Two Years Diploma in Agriculture and One Year Post Diploma in Commercial Horticulture are not eligible for this post.**

Note:

(i) The educational qualification prescribed for these posts should have been obtained by passing the required qualification in the order of studies viz. 10th + HSC + Diploma Course (10+2+2). The results of the examination should have been declared on or before the date of Notification.

(ii) Applicants claiming equivalence of qualification to the prescribed Diploma qualification should upload and submit evidence for equivalence of qualification in the form of G.O. issued prior to the date of this notification when called for, failing which, their application will be summarily rejected. The G.O.s regarding equivalence of qualification issued after the date of this notification will not be accepted for this recruitment.

(C)KNOWLEDGE IN TAMIL:-

Applicants should possess adequate knowledge in Tamil on the date of this notification. [For further details refer para 14-I of 'Instructions to Applicants'].

(D) CERTIFICATE OF PHYSICAL FITNESS (for both the posts): -

Applicants selected for appointment to the said posts will be required to produce a certificate of physical fitness in the form prescribed below. The model format is enclosed with **Annexure-III** 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.

Standard of Vision prescribed	Form of Certificate of Physical Fitness
Standard III or better	Form prescribed for Executive posts

6. (A) FEES:

a)	**Registration Fee:** For One Time Registration (Revised with effect from 01.03.2017 vide G.O. (Ms) No.32, Personnel and Administrative Reforms Department, dated 01.03.2017) **Note**: Applicants who have already registered in One Time Online Registration System and 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 at 6B of the Notification.	Rs.100/-

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. An applicant should make an online application separately for each and every examination for which he intends to appear.[Refer para 2Cof 'Instructions to Applicants'].

(B) EXAMINATION FEE CONCESSIONS:

Category	Concession
Scheduled Castes / Scheduled Caste (Arunthathiyars) and Scheduled Tribes / Destitute Widows / Persons with Benchmark Disability	Full Exemption
Most Backward Classes / Denotified Communities	Three Free Chances
Backward Classes (other than Muslim) / Backward Classes (Muslim)	
Ex-Servicemen	Two Free Chances

Note:

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

  (ii) The number of free chances availed by the applicant will 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 previous application(s) his candidature shall be rejected after due process and he shall be debarred for a period of one year from appearing for examinations and selections conducted by the Commission.

  (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 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:

- CBT Examination fee of Rs.100/- (Rupees One 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 to pay the service charges also 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 of candidates with such modes of payment will be summarily rejected after due process.**(For further details regarding the Examination fee, refer para. 2(J)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, BCs(OBCM), BCMs, Destitute Widows and Ex-Servicemen are given in para 3D, 5 and 6 of the 'Instructions to Applicants'.

(ii) Persons claiming concessions referred to above have to produce evidence for such claims when called for, 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 FOR BOTH THE POSTS (CBT METHOD):

Subject	Duration	Maximum marks	Minimum qualifying marks for selection	
			SCs, SC(A)s, STs, MBCs/DCs BC(OBCM)s & BCMs	Others
Paper –I:-(Subject Paper) (Diploma Standard) (200 Questions) 1.Agriculture(Code No. 431) 2.Horticulture(Code No. 432)	**3 Hours**	300	135	180
Paper – II:- **Part-A** Tamil Eligibility Test (SSLC Standard) (100 questions / 150 marks)	**3 Hours**	**150***		
Part-B **(General Studies)** (Code No:003) (100 questions) (150marks) **General Studies** (SSLC Standard)(75 questions) and **Aptitude and Mental Ability Test** (SSLC Standard)(25 questions)		150		
Total		**450**		

Minimum qualifying marks – 60 marks (40% of 150). The Marks secured in Part-A of Paper-II will not be taken into account for ranking.

Note:-

a) Answer sheet of Paper-I and Part B of Paper II of the candidates will be evaluated, only if the candidates secure minimum qualifying marks in Part-A of Paper-II.

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

c) **The questions in paper-I (Subject paper) and the Questions in Part B of Paper – II will be set both in English and Tamil.**

d) The candidate should appear for all the papers in the CBT Method 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 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 exempted for Tamil Eligibility Test:

i. As per the orders issued in G.O. (Ms.) No.49, Human Resource Management (M) Department, dated 23.05.2022, read along with 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.

ii. 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.

iii. 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 Hour and 30 minutes.

iv. 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 Hour and 30 minutes.) 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.

v. The said exempted candidates must also enter into the examination hall in the A.N. session half an hour before the commencement of examination hall. 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 even though they are exempted to write Tamil Eligibility Test.

vii. 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.

viii. 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) The syllabi is available in **Annexure-I** *to* this Notification and also available in the Commission's website www.tnpsc.gov.in

h) Refer para 17 of "Instructions to Applicants" with regard to instructions to be followed while appearing for Competitive Examinations (CBT method) conducted by the Commission.

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 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.

➢ Candidates have 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 would 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 V.

10. SELECTION PROCEDURE:

Selection will be made in single stage, based on the marks obtained by the candidates in the CBT examination subject to the rule of reservation of appointments. A tentative list of eligible candidates for certificate verification will be announced in the Commission's website. After verification of the original certificates, the eligible candidates will be summoned for final selection. (For further details refer to para 18(C) of the 'Instructions to Applicants').

Note:

1. First, the selection will be made for the carried forward vacancies. [Section 27 of the Tamil Nadu Government Servants (Conditions of Service) Act, 2016].

2. Secondly, the selection will be made for regular vacancies following the rule of reservation.

11. CENTRES FOR EXAMINATION:

The CBT Examination will be held at the following centres:-

Sl.No.	Name of the Centre	Centre Code
1)	Chennai	0101
2)	Madurai	1001
3)	Coimbatore	0201
4)	Trichirappalli	2501
5)	Tirunelveli	2601
6)	Salem	1701
7)	Vellore	2701

Note:

1. Applicants should choose any two of the above centres for writing the examination. Applicants will be allotted a venue in one of these two centres. However, applicants with benchmark disability (differently abled applicants), shall be permitted to choose only one district centre. (For further details refer para 2-Q of Instructions to Applicants).

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

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

4. Applicants should appear for the CBT examinations / certificate verification 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 Organisations 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.**

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 apply to these posts.

(B) **Persons with benchmark disability:**

The rule of reservation for appointment of the Differently Abled persons applicable for this recruitment, 4% reservation will be followed for these posts in the G.O.(Ms) No.51,Welfare of Differently Abled Persons (DAP.3.2)Department, dated 26.12.2017. Hence, the Differently Abled persons may apply to this recruitment.

(C) Persons Studied in Tamil Medium:-

    As per G.O. (Ms) No.82, Human Resource Management(S) Department, Dated: 16.08.2021 and

(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 / produce 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.**

(iii) Candidates must upload / produce documents as evidence of having studied in the Tamil Medium, all educational qualification upto the educational qualification prescribed.

    Example:

    *If the prescribed educational qualification is diploma, then the candidate should have studied from the First Standard to SSLC, Higher Secondary Course and Diploma through Tamil Medium of instruction.***(Refer para 14 (R) of Instructions to Applicants).**

(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/ Controller of Examinations / Head / Director of Educational Institution / Director / Joint Director of Technical Education / Registrar of Universities, as the case may be, in the prescribed format must be uploaded at time of submission of online application for each and every educational qualification up to the educational qualification prescribed.

(v) Failure to upload / produce such documents at 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 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) of 2 (w) of the "Instructions to Applicants")

(D) The selection for appointment to the posts 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 Madurai Bench of Madras High Court.

(E) If no qualified and suitable women candidates are available for selection against the vacancies reserved for them, those vacancies will be filled by male candidates belonging to the respective communal

categories.[Section 26(5) of the Tamil Nadu Government Servants (Conditions of Service) Act, 2016].

(F) 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 candidates, it shall be filled by Scheduled Castes other than Arunthathiyars.[Section 27 of the Tamil Nadu Government Servants (Conditions of Service) Act, 2016].

(G) Evidence for all the claims made in the online application should be uploaded / submitted in time when documents are called for. Any subsequent claim made after submission of online application will not be entertained. Failure to upload / submit the documents within the stipulated time limit will entail rejection of application after due process.

(H) Suppression of following material information in the online application regarding (i) free chances availed (ii) 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 (iii) Wilful suppression of criminal cases / disciplinary action pending / punishments if any, against the applicant (iv) 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.

(I) 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 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 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 attract suitable penal action.[For further details refer para 12 of the "Instructions to applicants"].

(J) 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.

(K) 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.

(L) DETERMINATION OF COMMUNITY FOR TRANSGENDER:

(i) The Transgender applicants, 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 Class 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 applicants who belong to the communities other than Scheduled Caste / Scheduled Caste (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 Class 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"}

(M) RESERVATION IN EMPLOYMENT FOR TRANSGENDER:

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

(iii) 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 in Note (g) under Para 2(V) of "Instructions to applicants"]

(c) **ONLINE CORRESPONDENCE :**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 a.m. and 5.45 p.m. Queries relating to One Time Registration / online application may be sent to helpdesk@tnpscexams.in.Other queries maybe 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 particulars / representation including petitions received under Right to Information Act, CM Cell Petitions, 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 write the examination further, besides invalidation of answer paper and / or debarment. If it is considered necessary, they will be subjected to thorough physical search including frisking on the spot.

(iii) Candidates 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 CBT 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 candidates shall copy from the papers of any other applicant or permit his / her papers 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 candidates 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 paper evaluation shall commence thereafter.

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

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

After conclusion of the entire selection process, relevant 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" using 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.

(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 the Annexure-III will be rejected after due process.

(9) **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.

(10) **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:

I. In respect of this recruitment to these posts, 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 (CBT Method) 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 / e-mail 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 24.12.2023 till 11.59 p.m., after which the link will be disabled. Online application correction window period is from 29.12.2023 - 12.01 a.m. to 31.12.2023 - 11.59 p.m.The applicants are permitted to upload / re-upload the documents upto 25.01.2024 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).*

<u>DISCLAIMER</u>

"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 produce a copy of the Government orders, when called for by the Tamil Nadu Public Service Commission, 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
TAMIL NADU PUBLIC SERVICE COMMISSION
SYLLABUS
AGRICULTURE
(DIPLOMA STANDARD)

Code: 431

Unit -I - Agronomic principles, practices and meteorology

Agriculture – Definition – Branches of agriculture – Classification and status of major crops in Tamil Nadu. Factors affecting crop production. Cropping systems definitions - principles - intercropping - types, Principles and Practices of Agricultural Operations – Tillage definition and types - Intercultural Operations, Implements and Tools in Agriculture – Growth stages and yield prediction.

Meteorology – Agricultural Meteorology – Definition - Importance in Crop Production - Atmosphere – Components and its importance – Weather Parameters and their role in Crop Production. Rainfall – Spatial and Temporal Variability in Tamil Nadu across Seasons – Agro Climatic Zones of Tamil Nadu. Automatic weather stations and its components – Agro advisory services.

Irrigation - water movement in soil – soil moisture constants – available soil moisture - effect of water stress on crop yield – water use efficiency – water requirement of major crops – critical stages of water requirement – irrigation scheduling – types and advantages – Irrigation methods – Micro irrigation – Flagship schemes and policies of Tamil Nadu - Irrigation water use efficiency – management of poor quality irrigation water - soil erosion due to water and control.

Weeds – definition and importance of weed control in crop production – classification of weeds – methods of weed management. Herbicide classification based on mode of action - method of application - common and new herbicides available in the market – weed control practices for major crops – parasitic, problematic and aquatic weed management - integrated weed management – concepts and practices.

Agronomic practices including climatic and soil requirement, land preparation – seeds and sowing – varieties – fertilizer management – irrigation – weed control – harvesting – Production technologies for cereals, millets, pulses, oilseeds, commercial crops, mulberry, forages and green manure crops.

Unit-II – Farming system, Dry Farming and Agro-Forestry

Integrated farming system – models and components – Schemes of Tamil Nadu. Cropping schemes – Crop calendar of operation of major crops - Dry Farming – Definition and Present Status in Tamil Nadu – Soils of Dry Farming Tracts and their limitation to Crop Production – Major Crops of Dry Land. Suitable Dry Land Technology for increased Crop Productivity – Pre-monsoon sowing – Conventional Crop Production Vs Alternate land Use in Dry Land – Drought and disaster effects and management – crop insurance schemes - Integrated Farming Systems in drylands. Erosion - Classification of Erosion – Soil moisture conservation practices – agronomical, physical and biological methods - Cultivation Practices – Water Harvest – Farm Ponds – Percolation Ponds –Weather aberrations and Contingent Crop Planning – Watershed development – definition and components. Land use classification – Role of Forests –

Agroforestry – Definition and types – Social Forestry, Urban Forestry – Agroforestry Systems - Shifting Cultivation – Alley cropping – Wind Break and Shelter Belts – Agroforestry Practices – Teak, Casuarina, Ailanthus, Neem, Bamboo, and Acacia production and management practices.

Unit-III - Soils and Fertility Management

Definition of Soil – Its main components – Soils of Tamil Nadu. Soil physical, chemical and biological properties and their significance in crop production. Soil Micro Organisms - Importance of Organic Matter on Soil Properties. Acid, Saline and Alkaline Soils and their reclamation. Soil and water pollutants and management. Irrigation water – Qualities of irrigation water - Water testing. Soil Fertility – Major, Secondary and Minor Plant Nutrients. Soil Fertility evaluation, Soil sampling and testing and fertilizer recommendations – Soil health card. Fertilizers – Nitrogenous, Phosphatic and Potassic Fertilizers – Complex and Mixed Fertilizers, Efficient use of Fertilizers – fertilizer management in major crops. Identification and management of major and minor nutrient deficiency symptoms in plants. Biostimulants – New age fertilizers – Crop Boosters - Remote sensing – GIS and GPS. Bio-Fertilizers – Groups of Bio-Fertilizers – Bacterial, Fungal, Algae and Azolla.

Unit-IV- Horticultural Crop Cultivation Techniques

Status of major horticultural crops in Tamil Nadu – Methods of propagation of major fruit crops - role of growth regulators – Soil and climate requirement - production technologies - nutrient and physiological disorders and its management - post-harvest technologies for Mango, Banana, Grapes, Papaya, Sapota, Guava, Citrus, Pomegranate, Ber, Annona, Amla, Apple, Pear, Avocado, Dragon fruit, Plum and Pineapple.

Importance of Vegetables – Nutritive Value - Methods of propagation of major vegetable crops - role of growth regulators – Types of Vegetable Garden: Kitchen Garden, Nutritional Garden, Truck Garden, Commercial Garden - Soil and climate requirement - production technologies - nutrient and physiological disorders and its management - post-harvest technologies for Tomato, Brinjal, Chillies, Bhendi, Onion, Cucurbits; Cauliflower, Cabbage, Turnip, potato, beetroot carrot, greens and perennials.

Importance of flower crops – Methods of propagation of major flower crops - role of growth regulators – Soil and climate requirement - production technologies - nutrient and physiological disorders and its management - post-harvest technologies for Jasmine, Rose, Chrysanthemum, Marigold, Tuberose, Crossandra, Cockscomb.

Garden Design – Formal and Informal Gardens – Components of Garden – Lawns and Lawn Making - Study of Important Flowering Annuals, Flowering and Foliage Shrubs – Flowering and Foliage Trees – Creepers and Climbers – Cacti and Succulents – Indoor Plants and Indoor Decoration – Cut Flowers – Flower arrangement – Bonsai Culture and dry flower decoration.

Importance of aromatic and spices, medicinal and plantation crops – Methods of propagation - role of growth regulators – Soil and climate requirement - production technologies - nutrient and physiological disorders and its management - post-harvest technologies for Spices – Pepper, Cardamom, garlic, Clove, Nutmeg, Cinnamon, Allspice, Turmeric, Ginger, tamarind, Coriander and Fenugreek. Plantation Crops – Coffee, Tea, Coconut, Arecanut, Cashew, Cocoa and Rubber. Medicinal Crops – Coleus, Gloriosa, Ashwagandha, Senna, Keezhanelli, Agave, Thulasi and Achorus.

Tissue culture and micropropagation of horticultural crops – Totipotency – Regeneration – Callus culture – Somaclonal variation – hardening of tissue culture plants.

Unit-V - Breeding and Seed Production

Field Crops – Importance – Classification – Agricultural and Industrial – Chemical Composition of Economic Parts in the Crops & Cereals, Millets, Pulses, Oilseeds, Fibres, Sugar and Starch Crops. Plant Photosynthesis – Respiration – Translocation of Assimilates. Floral biology – Reproductive and Pollination System in Plants – Mechanisms of promoting Self Pollination and Cross Pollination in crop plants – Plant genetic resources – importance – collection – characterization and conservation. Selfing incompatibility and male sterility- application and limitation – male sterility classification – GMS, CMS, CGMS, EGMS, and gametocides.

Breeding Techniques for Self Pollinated Crops – Pure line selection – Mass Selection – Hybridization and Selection – Pedigree Method – Bulk Method – Rice, Black gram, Groundnut. Two and three line breeding in rice. Breeding Techniques for Cross Pollinated and Often Cross Pollinated Crops – Mass Selection, backcross method - Heterosis Breeding – Development of Hybrids. Inbred development.

Single Cross – Double Cross and Poly Cross – Use of Male Sterile lines for Hybrid Seed Production – Synthetics and composites for crops like Maize, Cumbu, Redgram, Cotton, sorghum, Castor, Sunflower, Coconut. Breeding Methods for vegetatively propagated crops – Clonal Selection – Hybridization and selection for crops like Sugarcane, Tapioca, Potato and fodder crops. Mutation in crop improvement – Polyploid in Crop Improvement – Inter Specific Hybridization. Importance and success stories. Geographical indications, PPV & FR Act and IPR.

Seed – Importance – Seed Quality Characteristics – Classes of Seed – Nucleus, Breeder, Foundation and Certified Seed – Guidelines for Seed Production – Multiplication Ratio – Seed Certification, general certification standards – Field Inspection and Certification – Seed Standards –Pollination and Role of Insects, Environmental and Edaphic Factors. Seed registration - Seed Production Techniques for Varieties and Hybrid in Rice, Maize, millets, Pulses, Cotton, Oilseeds, fodder crops and Important Vegetables: Tomato, Brinjal, Chillies, Bhendi, Lablab, onion and Cucurbits. Harvesting, Processing, Treatment Storage, Seed Health and Marketing.

Unit-VI - Plant Protection Principles and Practices

Insects - Definitions – Characters – Economic Classification – Sericulture – Rearing of Mulberry silk worms – Apiculture – Role of Bees in Crop Productivity – Hiving Bees and Apiary Management. Beneficial Insects – Insect Pollinators – Predators and Parasitoids. Pest – Definition – Categories of Pests – Pest outbreak – Pest Monitoring – Pest Surveillance – Forecasting – Economic Threshold Level – Economic Injury Level. Pest Management Components – Cultural, Physical, Mechanical, Legal and Integrated Methods – Use of Resistant Varieties, Biological Control – Parasitoids, Predator and Microbial Agents.

Pesticides – Groups, Classification, Mode of Action – Formulation and Uses, Principles of Pesticides application – Hazards in the use of Pesticides and Environmental Pollution – Safe Handling of Pesticides new and organic pesticides – Pesticide residue - Behavior modifying chemicals – Use of Pheromones in pest management and behavioral modifying chemicals; approach.

Damage symptoms - life cycle and Integrated management practices of insect and non insect pests of Rice, Millets, Cotton, Sugarcane, Pulses, Oilseeds, Brinjal, Tomato, Bhendi, Cucurbits, Crucifers, Moringa, Tapioca, Chillies, Onion, Coconut, Arecanut, Turmeric, Curry-leaf, Coffee, Tea, Cardamom, Pepper, Betelvine, Flower crops, Mango, Citrus, Banana, Grapes, sapota, Guava, Pomegranate, Pests of stored materials and their management.

Plant diseases – definition, Causes of plant diseases – Fungi, Bacteria, Viruses and Mycoplasma – Categories of plant diseases – Mode of spread – Environmental factors influencing diseases out breaks. Control exclusion – Eradication – Immunization – Protection – Cultural – Methods of Control– Bio control – Economics of the new technologies, Useful fungi – mushroom, cultivation of Oyster mushroom, Trichoderma – utility – Nematodes – Types – Symptoms – Management.

Fungicide – Characteristics – Major groups – Formulation and Applications – Phytotoxicity – Precautions in using fungicides – Antibiotics in plant disease management. Bio technology and its application in disease management – Assessment of crop diseases and losses – Plant Disease Control - Principles - Integrated Pest Management of major diseases caused by Fungi, Bacteria, Virus and Mycoplasma in Cereals, Pulses, Oilseeds, Cash crops – Fruits – Vegetables – Plantation crops – Spices – Flowers and their management.

Unit-VII- Livestock, Poultry Management, Artificial Insemination and Calf Rearing

Significance and role of livestock and poultry in Indian economy – Various systems of livestock production – extensive – semi intensive – intensive – mixed – Integrated farming systems – Manure management methods – Definition of breed – classification of indigenous, exotic cattle and buffaloes – Breed characteristics of Sindhi, Kangeyam and Umblacherry, Jersey, Holstein Fricsian, Murrah and Surti. Breeding – importance of cross breeding.

Artificial Insemination – merits and demerits – Housing management – farm site selection space requirement for calves, heifer, milch animal and work bullocks – Type and design of house. – Systems of housing – Single row system – Double row system – head to head and tail to tail – merits and demerits – Care and management of new born calf and heifers – Care and management of pregnant, lactating animals and work bullocks.

Milk – Definition – clean milk production – methods of milking – hand and machine milking – Processing of milk – cooling Pasteurization – Definition – Various methods – Low Temperature Long Time and High Temperature Short Time – advantages and disadvantages.

Nutrition – Definition – Ration – Balanced composition of concentrate feed for dairy animal, calf and work bullock – Requirement and importance of green fodder, carrying capacity and forage cycle.

Diseases – classification – Viral, bacterial and metabolic – General control and preventive measures. – Viral Diseases – Foot and mouth – Bacterial diseases – Anthrax, Haemorrhagic septicemia and Black quarter – Metabolic – Tympanites, Ketosis and Milk fever – Mastitis and its control – Zoonotic diseases(Anthrax, Tuberculosis, Brucellosis and Rabies) – Prevention and control.

Sheep and Goat farming – classification of breeds of Indian and exotic origin – Systems of rearing – Housing management – Type design – Floor diagram – Space requirement for adult and young stock –Nutrition – common tree Fodder for small ruminants – Common ailments of sheep and goat – Sheep pox – Foot and Mouth – Blue Tongue – Enterotoxaemia – Ecto and Endo parasites Systems of poultry rearing – Backyard, Intensive systems; Nomenclature of commercial layers and broiler strains – Care and management of day old chicks – Brooder management. Systems of housing – Deep litter and cage systems – merits and demerits – Raised platform housing – Floor space requirement – litter management – care and management of layers and broilers.

Poultry Nutrition – composition of chick mash grower, layer, broiler starter and finisher mashes – Feed Conversion Ratio / dozen eggs or kilogram of meat. Classification of Poultry diseases – Viral – Bacterial – Protozoan – Causative organisms, symptoms, causes and prevention – Viral diseases – Ranikhet disease - Infectious bursal disease - Bacterial disease – E. coli – Coryza – Salmonellosis – Protozoan – Coccidiosis – Vitamin and mineral deficiencies – Schemes, Policies, Subsidies in Animal Husbandry by Tamil Nadu.

Unit-VIII -Farm Machinery, Post Harvest Technology and Energy and Environment

Thrashing Floor, drying floor. I.C. Engines – Types, Introduction – Preventive maintenance and minor repairs. Tractor – Different systems of a tractor – Hydraulic system – Clutch and Transmission system – Hitching of implements to Tractor – Power Tiller – and matching Implements. Seeders and planters. Plant Protection equipment – Harvesting machinery. Agricultural Pumps – Types of pumps – Custom hiring centre – e-vadagai.

Post Harvest losses in durable and Perishable crops – Moisture content – Methods of Determination – Drying – Sun Drying – Mechanical Drying – Merits and Demerits. Shelling and Decortication – Rubber Roll Sheller – Centrifugal Dehusker. Parboiling of Paddy – Merits and Demerits – Polishing – Milling of Corn and Pulses – Principles and Methods – Seed Treater – Types of Seed Treater. Storage of Grains and Seeds – Condition for safe storage – Value addition and suitable machineries for major food grains.

Energy Resources and Forms of Energy – Conventional and Non - Conventional Energy – Solar Energy – Merits and Limitations - Energy from Bio-Mass – Technologies – Classification and types of Bio-Gas Plants – Bio-Gas from Plant Wastes – Utilization of Bio-gas. Bio Fuel Plant – Gasifiers – Smokeless Chulas.

Ecology – Natural resources – Environmental Pollution and Management – Atmospheric Pollution – Particulate emission by industries and automobiles – Smog – Acid rain – Ozone hole – Global Warming – Causes, Effects and Control measures –Traditional farming methods – Eco-Safe technologies in agriculture.

Unit IX - Commercial Agriculture

Bio-control agents - Role in pest and disease management – Categories of bio-control agents. Setting up a bio-control laboratory. Mass culture of tobacco caterpillar (Spodoptera litura) and gram pod borer (Helicoverpa armigera)- synthetic diet – mass production of SINPV and HaNPV. Mass production of Trichogramma spp., Chrysoperla, coccinellid predators, Trichoderma viride, Pseudomonas fluorescens and Entomo-pathogenic nematodes

Biofertilizers – Microorganisms for crop nutrition – Types – Sources of good quality strains – Facilities – equipment – and raw materials required – Types and specification of carrier material – production of azospirillium, azotobacter, Glucano acetobacter, phosphate solubilizer, potash releasing microorganism, PGPR, azolla, BGA, PPFM, and AM fungi – Shelf life and storage of carrier and liquid based biofertilizers – constraints in mass production – storage and preservation – quality standard of commercial biofertilizers – quality control biofertilizer lab in Tamil Nadu.

Mushroom- Morphology: common edible mushrooms - Pleurotus, Calocybe - poisonous mushrooms - Laboratory techniques: sterilization - Media preparation, pure culture techniques, sub-culturing and storage. Spawn: types of spawn, mother spawn and bed spawn. Cultivation: Oyster mushroom, Milky mushroom – Problems in cultivation: Biotic and abiotic disorders - Uses of mushroom: as food, nutraceutical and pharmaceutical values, composting coir-pith and other agro-wastes – Post harvest technology: methods of preservation and value addition.

Fruit and Vegetable processing – Equipments and Accessories used in processing – Preparation of Squash, Syrup, Cordial, Nectar, Ready to serve beverages – Fruit juice concentrate – Paste, Powder, Bar – Jam, Jelly, Marmalade and Candy, Preserve – Pickles – Oil, Salt and vinegar – Tomato products – Ketchup. Sauce, Puree and Paste – Canning of Fruit and Vegetables – Dehydrated Fruit and Vegetables and Re-hydration – Preservation by low temperature – cut-out analysis of canned Fruit and Vegetables – Evaluation of Frozen Fruit and Vegetables – Osmotic dehydration

Seed Production –Selection of field – Maintenance of genetic purity – Removal of offtypes – Isolation distance - Manual emasculation and Pollination - Hybrids – Single cross - double cross – Production of hybrid seed – Varieties – seed production - Use of gametocide – Merits and demerits of hybrids and varieties - Selfing, emasculation and crossing technique in Rice, millets, oilseeds, pulses, Cotton, Tomato, Bhendi – clonal multiplication – Cumbu napier – Seed registration – Field inspection and certification.

Harvesting – Physical and chemical indices – Extraction techniques – Seed processing – Use of cleaner, grader – Seed treatment – Seed packaging – Seed storage – Sanitation – Certification procedure.

Nursery Technology – preparation of land and seed treatment – Sowing and raising of rootstocks (Fruits and Flower Crops) – Application of Liquid Manure and plant protection of rootstock – Potting materials and Preparation of pot mixture – Potting of Rootstock and Hardening - Selection of Scion Plants and Grafting, Aftercare of Grafted Plants, Graft Separation and Hardening – Preparation of Cuttings of Ornamental Plants, Treating the Cuttings with growth regulators and Planting in Mist Chamber in Beds/Polybags, Potting of Rooted Cuttings and Hardening – Air Layering of Ornamental/Fruit Crops – Budding of Ornamental Plants (Rose) – Maintenance of Potted Plants – Packing and Marketing.

Organic composting - Nutrient potential of different organic manures – Preparation of FYM Compost – Composting methods - Preparation of enriched FYM – Coirpith composting – Sugarcane trash – Pressmud - Farm wastes and farm weeds - Parthenium composting – Determination of maturity indices of composts - Commercial utility of organic manures –Introduction to vermicompost – Types of Vermicompost - Materials for vermicomposting. Preliminary treatment of composting material – Small Scale vermicomposting – Large scale vermicomposting – Other types of vermicomposting – Requirements for vermicomposting – Bedding materials, container, pH, Moisture content, Temperature – Cover feed substrates - Selection of right type of worm species

– Preparation of vermicompost beds – Collection of Vermicompost – Vermicompost efficiency – Transportation of live worms – Application of vermicompost

Unit X – Agricultural Extension Agricultural Economics and Digital Agriculture

Rural Economics and Agricultural Economics – Meaning, importance and scope Sectors of Economy - Importance of agriculture in rural economy: Problems of rural economy – Population growth and its consequences. Agents of production: Land distribution – Size of land holding – Man-Land ratio - Subdivision and Fragmentation – Land reform – Ceiling on land holding, Tenurial reforms, Consolidation of land holdings

Cooperative farming and Bhoodhan movement – Success and failure. Rural labour: Meaning – Classification – Characteristics of rural labour – agricultural labour – Employment, wages and income - Minimum wages Act and other welfare measures.

Rural Banking and Finance: Meaning and Concept – Classification and purpose.

Sources of finance – Institutional and non-institutional – Government, cooperatives, nationalized commercial banks, regional rural banks and land development banks, private money lenders and other traditional sources – Establishment of NABARD and its role, Multi-agency, Service area approach. Rural industries: Importance and their classification – Investment needs – Generation of employment.

Types of agro-industries – Rural industries project - Khadi and Village Industries.

Problems of rural industries – Potentials for development of agro- industries from agricultural products and wastes – Sugarcane, Cotton seed, Banana sheath, Forestry products – Rural technologies – Technology gap – Economic and social constraints in the spread of technology. Study of important and recent rural development schemes.

Marketing and agricultural marketing – Concepts - definition and scope – Classification of Markets – Structure – Characteristics of agricultural commodities: Problems in grading and standardization. Marketing costs and marketing margins. Price spread. Advantages and problems.

Cooperative agricultural marketing societies and regulated markets – Role of National Agricultural Cooperative Marketing Federation and TANFED. Role of specialized agencies viz., Food Corporation of India, Central Warehousing Corporation, State Warehousing Corporation in marketing of agricultural commodities and CCI – Role of Regulator Markets – Agmark – e-NAM.

Price support programmes – Buffer stock operations – Role of Commission on Agricultural Costs and Prices – Price stabilization. Agmark grading and commercial grading – Marketing information and intelligence – Marketing of agricultural inputs viz., seeds, fertilizers, plant protection chemicals and implements.

Sociology – Rural Sociology – Characteristics of rural society. Rural Youth – Their needs and aspirations. Basic rural institutions and voluntary agencies. Leadership – Classification, Characteristics and their influence. Motivation – Methods of Motivation. Social change. Adoption – Meaning, Stages, Adopter categories and their characteristics. Extension methods – Classification – Individual contact - group contact and mass contact methods. Extension aids – Audio aids, Visual aids and Audio Visual aids. Print and Electronic media. Photography, new achievements in communication technology – Transfer of Technologies through demonstrations – Field day – Exhibition – Mass media.

Visit to a village – Identifying resources, conducting participatory rural appraisal (PRA), conducting SWOT (strengths, weaknesses, opportunities and threats) analysis and preparing action plan for village development.

Visiting farmers – Analysis of farm resources and studying the life style of farmers, earnings, enterprises, expenditure pattern, technical information seeking behavior and dissemination of technologies. Finding the factors of adoption of technologies.

Problem diagnosis study – visiting farmers' fields, identifying technical and frequent problems like soil, pest, disease, disorders and other problems in agriculture, obtaining solutions from known sources and providing them to the farmers.

Visiting agro service centers – Studying the business techniques, farmers approach, distribution pattern, dealership pattern, knowing different agro chemicals available in markets and their prices, gaining experience in solving the farmers problems in agro service centers .

Visiting daily vegetable wholesale markets – uzhavar sandhai - assessing the price fluctuation and preparing price trend calendar for different vegetables. Preparing line chart for maximum price of different vegetables grown in the district and identifying optimum sowing period for different vegetables.

Study the potentialities, prospects and to get clear knowledge about starting agro industries and food processing industries – PMFME – Schemes and policies of government of Tamil Nadu in Agriculture – Establishment – Farmers group – FPO – Role and Functions.

Application of computer in agriculture - Multimedia Presentation – power point - Internet and E- Mail – Online reporting system – Major Apps and Web Portals (Uzhavan app, Agris net portal,Tamil man valam and latest apps) for improving livelihood of farmers - Application of artificial intelligence and IoT in agriculture.

TAMIL NADU PUBLIC SERVICE COMMISSION
SYLLABUS
HORTICULTURE
(DIPLOMA STANDARD)

Code: 432

UNIT- I: BASIC HORTICULTURE AND PLANT PROPAGATION

Horticulture – Definition, scope and importance, Division and classification of horticultural crops – Horticultural zones in India and Tamil Nadu – Cropping systems - Precision farming- Planting systems –HDP and UHDP- Irrigation systems – Nutrient application methods in horticultural crops – Weed management – Training and Pruning system– Special horticultural practices – Maturity indices – Harvesting methods, pre-cooling – Packaging - Storage of horticultural crops - Protected cultivation.

Propagation - Tools and implements - Media and Containers - Types of nursery beds - Seed treatment - Sowing – Protray nursery-seedling production - Potting, depotting and repotting of plants - Methods of asexual propagation through cuttings, layering, grafting and budding - Plant propagation structures - Mist chamber and shade net – Hardening and maintenance – Polyhouse-Application Growth regulators in propagation – Nutrient management and plant protection measures – Record keeping and maintenance-nursery act and certification.

UNIT- II: SOIL AND FERTILITY, IRRIGATION AND WEED MANAGEMENT

Soil types- Physical and chemical properties- Soil organic matter and its importance-Essential nutrients for crop plants - Major, secondary and micro nutrients – Manures and fertilizers – Types of fertilizers – Straight, Complex, Compound, Mixed, Fortified, chelated and water soluble fertilizers and their reactions in soil. Soil fertility – INM practices– soil health card-Problem soils – Acid, saline and alkaline soils -Reclamation and management-Rootstocks for problem soils.

Irrigation – Sources of water for irrigation –Critical stages of water requirement – Irrigation scheduling and fertigation –Irrigation methods-water conservation methods. Study of weeds -methods of weed control–Herbicides for weed management in horticultural crops– Integrated weed management practices.

UNIT- III: PRODUCTION TECHONOLOGY OF FRUITS AND VEGETABLES

Area, production and importance of fruit crops in Tamil Nadu – Major fruit producing districts in Tamil Nadu-Layout of orchard - Physical features in orchard - Study of cultural practices of Tropical fruits – Mango, Banana, Grapes, Papaya, Sapota, Guava, Acidlime, Jackfruit, Dragon fruit. Sub-tropical and temperate fruits – Pineapple, Avocado, Mandarin orange, Apple, Pear, Plum, Strawberry with reference to soil, climate, varieties / hybrids methods of propagation (rootstocks), nutrient, irrigation and weed management practices – Training and pruning –Growth regulators – Maturity standards for harvesting – Post-harvest handling of fruit crops – Yield – Grading – packing – Storage and value added products – HDP/UHDP- Top working, double working and rejuvenation of old orchard- Organic fruit production and certification- Good Agricultural Practices (GAP).

Dry land horticulture – Arid and semi arid zones in Tamil Nadu and India. Crops suitable for dry land production – Important varieties, climate and soil requirements, commercial propagation methods - Spacing and planting systems - Cropping systems and intercropping – Mulching – Management of nutrients, water, weeds and problem soils –Training and pruning - Use of plant growth regulators – Post-harvest handling

of Aonla, custard apple, pomegranate, ber, jamun, manila tamarind and wood apple - Soil and moisture conservation methods – Anti-transpirants.

Area, Production and importance of vegetable cultivation in Tamil Nadu –Kitchen garden-roof garden-vertical garden– Truck garden and market garden –soil and climate requirement – varieties / hybrids – Seed rate –Sowing -nursery practices – Protray nursery – Transplanting – Manuring – Irrigation – Fertigation - Nutrient deficiency and their corrective measures - Use of growth regulators - Special horticultural practices (training, staking, pruning) – Physiological disorders and corrective measures – Maturity indices - Harvesting – Grading, sorting – Packing and storage and yield for important vegetable crop; Tomato, Brinjal, Chillies, Bhendi, Onion, Bittergourd, Ridgegourd, Snake gourd, Pumpkin, Water melon, Musk melon, Ash gourd,Tapioca, Yams, Colocasia, Cabbage, Cauliflower, Radish, Carrot, Beet root, Amaranthus, Moringa, Potato, Cluster beans, Lab lab, Peas and Beans.

UNIT -IV: PRODUCTION TECHNOLOGY OF FLOWER CROPS AND LANDSCAPING

Importance of commercial flower crops – Area and production - Study of cultural practices of commercial loose flowers – Rose, Jasmine, Tuberose, Chrysanthemum, Marigold, Crossandra, Celosia, Nerium and Gomphrena. Floral concrete and pigment extraction from loose flowers -Protected structures for cut flower production – Study of cut flower production techniques of Rose, Carnation, Gerbera, Chrysanthemum, Orchids, Anthurium, Lilium, Alstroemeria, Lisianthus, Heliconia, fillers (Asparagous, limonium, gypsophylla) and foliage (dracaena and xinadu). Post-harvest management of cut flowers – Floral decorations, bouquets and dry flowers – Grading, packing and marketing of flowers-Flower Auction centres in Tamil Nadu.

Importance of ornamental gardening, landscaping and nursery business– Principles and styles and types of garden - Features of garden - Garden components and adornments – operations in planting and maintenance of trees, annuals, shrubs, climbers, creepers, herbaceous perennials, ferns, cacti and succulents, palm and cycads – Sunken garden, roof garden, rockeries, vertical garden and plant choices- Bonsai making- Lawn and lawn making – sports turf- Flower arrangements and dry flower making.

UNIT-V: PRODUCTION TECHNOLOGY OF SPICES, PLANTATION CROPS, MEDICINAL AND AROMATIC CROPS

Area, production and Importance of spice crops in Tamil Nadu – Study of production techniques of important spice crops Pepper, Cardamom, Turmeric, Ginger, Clove, Nutmeg, Cinnamon, Tamarind, Curry leaf and Coriander. Harvesting and processing – grading and packing – Organic farming and GAP in spice production.

Area, production and Importance of plantation crops in Tamil Nadu - Study of cultural operations for Tea, Coffee, Rubber,Cocoa, Cashew, Coconut, Arecanut, Oil palm and Palmyrah – Harvesting and Processing – Grading and packing - Organic farming and GAP in plantation crops.

Area, production and Importance of medicinal and aromatic plants in Tamil Nadu - Contract farming - production technologies – Medicinal crops : Glory lily, Medicinal Coleus, Senna, Periwinkle,Gymnema, Ashwagandha, Phyllanthus, Kalmegh and *Aloe vera.* Aromatic   plants: Japanese mint, Rosemary, Lemon grass, Citronella, Palmarosa, Vettiver,Geranium, Patchouli and basil.

UNIT- VI: INSECT PEST AND DISEASES OF HORTICULTURAL CROPS AND THEIR MANAGEMENT

Pest - Categories – Pest management - Principles and components. Natural enemies. IPM – different types of traps - Management strategies for important insect pests groups – Chewing insects - Stem borers – Fruit borer – Sap feeders of important fruit, vegetable, spices, medicinal and plantation crops- Special pest management strategies in storage pests and poly house. Management techniques for plant parasitic nematodes –Etiology, symptoms and integrated management of important diseases.

Important pest and diseases of Fruits: Mango, Banana,Citrus, Grapes, Guava, Sapota, Pomegranate, Papaya, Jack, Pineapple, Ber, Apple, Pear, Plum Vegetables: Brinjal, Tomato, Bhendi, chilies, Cucurbits, Moringa, Crucifers, Beans, Peas, Potato and Cassava. Spices and condiments: Onion, Garlic, Chillies, Cardamom, Pepper, Turmeric, Ginger, Coriander, Clove and Nutmeg. Plantation crops: Tea, Coffee, Cocoa, Rubber, Ccoconut, Arecanut and Cashew. Flowers: Jasmine, Rose, Crossandra, Chrysanthemum, Tube rose, Medicinal plants: Gloriosa, Senna, Coleus, Aloe vera, Solanum nigrum and Aswagandha.

UNIT-VII: POST HARVEST HANDLING AND VALUE ADDITION OF HORTICULTURAL CROPS

Scope and importance of post harvest technology in horticultural crops - Washing, grading, sorting - pre cooling and pre treatments - Blanching and peeling methods – Post- harvest handling methods: Dehydration, Canning of fruits and vegetables – Thermal processing - Low temperature processing - Cold storage - Controlled and atmospheric storage - Refrigeration truck, ripening chamber, packaging for horticultural crops - Valueaddition in horticultural crops. Fruits : Jam, Jelly, Squash, RTS and Candy. Vegetables : Pickle, chutney, sauce and ketchup. Spices – Oleoresins, masala powders and mix - Food safety standards, National : Agmark, BIS, FSSAI and HACCP, International – Codex and ISO.

UNIT - VIII: LIVESTOCK MANAGEMENT AND POULTRY PRODUCTION

Significance of Livestock and Poultry - Various systems of livestock production – Important cattle Breeds - Artificial Insemination - Housing management - Feeds and fodder – Major cattle diseases and management. Sheep and Goat farming - Important breeds - Economic traits - Systems of rearing - Housing management - Nutrition - Common diseases, Ecto and endo parasites - Prevention and Control.

Poultry farming - Commercial strains of layer and broiler-backyard poultry-country birds - Housing management - Brooding management - Deep litter - Cage system - Nutrition of Chick - Grower and Layer and Broiler – Diseases - Causative organisms – Symptoms – Vaccination - Disease control and Prevention.

UNIT - IX: COMMERCIAL AGRICULTURE

Seed Production - varieties –Hybrids- emasculation and Pollination –isolation distance-rogueing-planting ratio-seed production techniques of Tomato, Brinjal, chilli, bhendi, onion, gourds, cluster bean, moringa, Amaranthus– Extraction techniques – Seed processing – Seed treatment – Seed packaging – Seed storage –Seed act-Seed inspection and Certification.
Bio-Control Agents - Importance – Examples of bio-control agents – Role in pest and disease management – Categories of bio-control agents- Spawn and Mushroom

Production - Oyster and button-Organic Composting – Enriched FYM-Vermi compost-preparation of vermi beds-coir compost-quality standards.

UNIT - X: FARM MANAGEMENT, MARKETING AND EXTENSION EDUCATION

Farm Management – types and systems of farming-collective farming - farm planning and budgeting- risk and uncertainty- Horticultural Marketing-demand and supply- Marketing costs and marketing margins - Warehousing – Processing - Cold storage - Marketing agencies and institutions - Cooperative marketing societies - Role of regulated markets – NAFED – TANFED – NHB - Commodity boards - Marketing of agricultural inputs - Market information and intelligence - AGMARKNET, DEMIC, DMI, Uzhavar Sandhai- Farmers Producers Organisation.

Agricultural Extension – methods of Communication mass contact methods. Participatory Rural Appraisal techniques. Audio - Visual aids –Farm Journalism –writing for media. Information and Communication Technology (ICT) – Computer networks, internet, video conferencing, agriportals, Kisan Call Centre, mobile apps. Geo tagging, Photography – Basic concepts,advancements.

New governmental schemes, flagship programmes, policy notes, Duties and responsibilities of AHO's, Calamity mitigation and enumeration- crop compensation - Crop Cutting Experiment and Crop Insurance- Revenue records of Farmers, Drones in Horticulture crop production-AI based weather forecasting and farm advisory-GIS mapping- Major Research Institutes in Horticulture.

Note: Medium of instruction is only in English.

PAPER -II
SYLLABUS FOR WRITTEN EXAMINATION
Part-A
கட்டாய தமிழ்மொழி தகுதித் தேர்விற்கான பாடத் திட்டம்
(கொள்குறி வினாவிற்கான தலைப்புகள்)
பத்தாம் வகுப்பு தரம்

1. பிரித்தெழுதுதல் / சேர்த்தெழுதுதல்.
2. எதிர்ச்சொல்லை எடுத்தெழுதுதல்.
3. பொருந்தாச் சொல்லைக் கண்டறிதல்.
4. பிழைதிருத்தம் (i) சந்திப்பிழையை நீக்குதல் (ii) மரபுப்பிழைகள், 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. அகரவரிசைப்படி சொற்களை சீர் செய்தல்.
11. சொற்களை ஒழுங்குப்படுத்தி சொற்றொடராக்குதல்.
12. இரு வினைகளின் பொருள் வேறுபாடு அறிதல்.
    (எ.கா.) குவிந்து-குவித்து
13. விடைக்கேற்ற வினாவைத் தேர்ந்தெடுத்தல்.
14. எவ்வகை வாக்கியம் எனக் கண்டெழுதுதல் - தன்வினை, பிறவினை, செய்வினை, செயப்பாட்டு வினை வாக்கியங்களைக் கண்டெழுதுதல்.
15. உவமையால் விளக்கப்பெறும் பொருத்தமான பொருளைத் தேர்ந்தெழுதுதல்
16. அலுவல் சார்ந்த சொற்கள் (கலைச்சொல்)
17. விடை வகைகள்.
18. பிறமொழிச் சொற்களுக்கு இணையான தமிழ்ச் சொற்களைக் கண்டறிதல் (எ.கா.) கோல்டு பிஸ்கட் – தங்கக்கட்டி.
19. ஊர்ப் பெயர்களின் மரூஉவை எழுதுக (எ.கா.) தஞ்சாவூர் – தஞ்சை
20. நிறுத்தற்குறிகளை அறிதல்.
21. பேச்சுவழக்கு, எழுத்துவழக்கு (வாறான் – வருகிறான்).
22. சொற்களை இணைத்து புதிய சொல் உருவாக்கல்.
23. பொருத்தமான காலம் அமைத்தல்
    (இறந்தகாலம், நிகழ்காலம், எதிர்காலம்).
24. சரியான வினாச்சொல்லைத் 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. கலைச் சொற்களை அறிதல் :-

    எ.கா. – Artificial Intelligence – செயற்கைநுண்ணறிவு

    Super Computer – மீத்திறன் கணினி

31. பொருத்தமான பொருளைத் தெரிவு செய்தல்

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

33. சரியான தொடரைத் தேர்ந்தெடுத்தல்

34. பிழைதிருத்துதல் (ஒரு-ஓர்)

35. சொல் – பொருள் – பொருத்துக

36. ஒருமை-பன்மைபிழை

37. பத்தியிலிருந்து வினாவிற்கான சரியான விடையைத் தேர்ந்தெடு.

Part-B
GENERAL STUDIES (SSLC STANDARD)

<u>CODE NO.003</u>

Topics for Objective Type

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 AbulKalam Azad, ThanthaiPeriyar, 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 19[th]and 20[th]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
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. Photo
2. S.S.L.C Mark Sheet.
3. HSC Mark sheet.
4. Diploma- certificate/Provisional / Consolidated Mark sheet (In which date of publication of results as mentioned in the online application has to be uploaded)/ Equivalence of qualification (if applicable)
5. U.G/P.G/I.P.G / M.Phil / Ph.d certificate / Consolidated Mark Sheet
6. PSTM Certificates upto Diploma (as per claim in the online application if any).
7. Community Certificate with Father's name/Mother's name and evidence for Religion.
8. Transgender Identity card with Gender (If claimed in the online application).
9. Differently Abled Certificates should be obtained from the Medical Board/ Medical Officer/Civil Surgeon/ Medical Superintendent/ Notified Medical authority (As applicable)
10. Destitute Widow Certificate (if applicable)
11. Ex-servicemen (if applicable)(PPO/ Bonafide Certificate)
12. No objection Certificate (If employed).
13. Court orders, if any.
14. TET exemption certificate (if applicable) as per Notification para under 9(f)(vii).
15. Tamil Nadu Government Gazette for Change name / initial change / declaration
16. Other documents

ANNEXURE-III

CERTIFICATE OF PHYSICAL FITNESS BY   A SINGLE MEDICAL OFFICER
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.

பிற்சேர்க்கை–IV
APPENDIX-I

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 58-60 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.

<div align="center"><u>மனிதவள மேலாண்மை (எம்)த் துறை</u></div>

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

<div align="right">(த.பி.பா.)</div>

/2/

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 பெயர்ப்புபகுதி 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 25.03.2022ல் குறிப்பிடப்பட்டுள்ள மாற்றுத் திறனாளிகளுக்குப்

...3

/3/

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 சதவிததத்திற்கும் குறைவான குறைபாடுகளைக் கொண்ட மாற்றுத் திறனாளிகளுக்கும் பொருந்தும்.

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

(ஆளுநரின் ஆணைப்படி)

மைதிலி கே.ராஜேந்திரன்
அரசு செயலாளர்

<u>பெறுநர்</u>

செயலாளர், தமிழ்நாடு அரசுப் பணியாளர் தேர்வாணையம், சென்னை – 600 003.

அரசுக் கூடுதல் தலைமைச் செயலாளர், உள், மதுவிலக்கு மற்றும் ஆயத்தீர்வை துறை, சென்னை – 600 009.

(த.பி.பா.)

/4/

அரசு கூடுதல் தலைமைச் செயலாளர், நிதித்துறை, சென்னை – 600 009.

அரசு முதன்மை செயலாளர், பள்ளிக் கல்வி துறை, சென்னை – 600 009.

அரசு முதன்மை செயலாளர், உயர்க் கல்வி துறை, சென்னை – 600 009.

அரசு முதன்மை செயலாளர், மருத்துவம் - மக்கள் நல்வாழ்வுத் துறை,
சென்னை - 600 009.

அரசு முதன்மை செயலாளர், சுற்றுச்சூழல், காலநிலை மாற்றம் மற்றும்
வனத்துறை, சென்னை - 600 009.

அரசு செயலாளர், மாற்றுத் திறனாளிகள் நலத்துறை, சென்னை – 600 009.

அனைத்து துறைச் செயலாளர்கள், சென்னை – 600 009.

அனைத்து துறைத் தலைவர்கள்.

தலைவர், ஆசிரியர் தேர்வு வாரியம், கல்லூரிச் சாலை, சென்னை – 600 006.

தலைவர், மருத்துவப் பணியாளர் தேர்வு வாரியம், சென்னை – 600 018.

தலைவர், தமிழ்நாடு சீருடைப்பணியாளர் தேர்வு வாரியம், சென்னை – 600 002.

உறுப்பினர் செயலர், தமிழ்நாடு வனச் சீருடைப் பணியாளர் தேர்வுக் குழுமம்,
சென்னை – 600015.

இயக்குநர், வேலை வாய்ப்பு மற்றும் பயிற்சி, சென்னை – 600 032.

நிதி (பொ.நி.மா.க) துறை, சென்னை – 600 009.

நகல்:

மாண்புமிகு முதலமைச்சர் அவர்களின் செயலாளர் –III,
முதலமைச்சர் அலுவலகம், சென்னை – 600 009.

மாண்புமிகு அமைச்சர் (நிதி மற்றும் மனிதவள மேலாண்மை) அவர்களின்
சிறப்புநிலை நேர்முக உதவியாளர், சென்னை– 600 009.

தலைமைச் செயலாளரின் முதன்மை தனிச்செயலர், சென்னை – 600 009.

மாற்றுத்திறனாளிகள் நலத்துறை இயக்குநர், சென்னை – 600 005.

மனிதவள மேலாண்மைத் துறைச் செயலாளரின் முதன்மை தனிச் செயலாளர்,
சென்னை- 600 009.

மனிதவள மேலாண்மை (நி.சீ.II) துறை, சென்னை– 600 009. (3 படிகள்)
(தமிழ்நாடு அரசு இணையதளத்தில் வெளியிடுதல் குறித்து)

இருப்புக் கோப்பு / உதிரி நகல்.

//ஆணைப்படி அனுப்பப்படுகிறது//

ரா. ஜெயலட்சுமி
23/5/22
பிரிவு அலுவலர்

23/05/22

ANNEXURE – V
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 - VI

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	24.12.2023
2.	Online Application Correction Window period	From 29.12.2023 12.01 a.m. To 31.12.2023 11.59 p.m.
3.	Last date upto which the applicants are permitted to upload/ re-upload the documents	25.01.2024
4.	Publication of Examination Results	April 2024
5.	Certificate Verification	May 2024

Secretary