



TAMIL NADU PUBLIC SERVICE COMMISSION

Advertisement No.662
Notification No.13/2023

DATED:26.06.2023

Applications are invited only through online mode up to 25.07.2023 for direct recruitment to the posts included in the **Combined Research Assistant in Various Subordinate Services.**

Examination for this post 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:-

Sl.No.	Name of the Post and Code	Name of the Service and Service Code.	No. of vacancies	Scale of Pay
NON-INTERVIEW POST:-				
1	Research Assistant in Statistics (Post Code. 2107)	Tamil Nadu Town and Country Planning Subordinate Service (Code No.066)	01(GT)	Rs.36,200 – 1,33,100/- (Level 15)
2	Research Assistant in Economics (Post Code. 2110)		01(GT)	
3	Research Assistant in Geography (Post Code. 2111)		01(GT)	
4	Research Assistant in Sociology (Post Code. 2112)		01(GT)	
INTERVIEW POST:-				
5	Research Assistant in Evaluation and Applied Research Department (Post Code No.1861)	Tamil Nadu General Subordinate Service (Code No.036)	02 GT (G)-01 SC(G)(PSTM)-01	Rs.36,900 – 1,16,600/- (Level 18)

Abbreviation: GT-General Turn; SC–Scheduled Castes; G-General; PSTM- Persons Studied in Tamil Medium.

Note:-

Unless and otherwise specified, the number of vacancies notified is approximate and liable for modification as indicated in [Para 11 A of "Instructions to applicants"](#).

3. IMPORTANT DATES AND TIME:-

Date of Notification	26.06.2023	
Last date for submission of online application	25.07.2023	
Application Correction Window Period	31.07.2023 12.01 AM to 02.08.2023 11.59 PM	
Date of Written Examination(CBT Mode)		
Paper – I: (Subject Paper) (P.G. Degree Standard) [For the post of Research Assistant in Tamil Nadu Town and Country Planning Department]	09.09.2023 FN	09.30 A.M. to 12.30 P.M
Paper – II: PART A: Tamil Eligibility Test (SSLC Standard) and PART B : General Studies (Degree Standard)	09.09.2023 AN	02.30 P.M. to 05.30 P.M
Paper –I (Subject Paper) (P.G. Degree Standard) [For the post of Research Assistant in Evaluation and Applied Research Department]	10.09.2023 FN	09.30 A.M. to 12.30 P.M

Note

Refer **Annexure-VIII** of this notification regarding tentative timeline for the recruitment process.

4. QUALIFICATIONS:**(A) AGE LIMIT (as on 01.07.2023):**

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

Note:-

- *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.[i.e., from 30 to 32 years].

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

- "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(Others):-**

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 (Others):-

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 26.06.2023)

Applicants should possess the following or its Equivalent qualification awarded by any University or Institution recognized by the University Grants Commission for the purpose of its grants.

S. No.	Name of the Post	Educational Qualification
1.	Research Assistant in Statistics	A Master's Degree of any recognized University or Institution with Statistics Or Mathematics as the Main Subject. *Provided that other things being equal, preference shall be given to candidates who possess experience in Statistical Investigation or in analysis of Statistical work for a period of one year.
2.	Research Assistant in Economics	Must hold a Master's Degree in First or Second class with Economics as Main Subject.
3.	Research Assistant in Geography	Must hold a Master's Degree in First or Second class with Geography as Main Subject.
4.	Research Assistant in Sociology	Must hold a Master's Degree in First or Second class with Sociology or Social Work as Main Subject.
5.	Research Assistant in Evaluation and Applied Research Department	Must Possess a first class Post-Graduate Degree in Economics or Econometrics or Statistics or Business Administration or Mathematics or Social work or Sociology or Anthropology or Agricultural Economics or Public Administration.

***As per Annexure V in the Notification.**

Note

- i. The Post Graduate Degree qualification prescribed for these posts should have been obtained by passing the required qualification in the order of studies, viz., SSLC+ HSC or its equivalent +UG Degree+ PG Degree from the recognised Institutions as required under Section 25 of Tamil Nadu Government Servants (Conditions of Service) Act, 2016. **(Results of the Examination should have been declared on or before the date of this Notification).**

- ii. Candidates claiming Equivalence of qualification to the prescribed qualification should submit evidence for Equivalence of qualification in the form of Government Order issued on or before the date of this Notification, failing which their application **will be summarily rejected after due process**. The Government Orders issued declaring Equivalence of prescribed qualification after the date of this Notification will not be accepted. A list of Equivalence of qualification in the related subject is available in **Annexure-I** to this Notification. (Refer also to the Disclaimer annexed to this Notification) [For further details regarding Equivalence of Qualification refer para 9 of the "[Instructions to Applicants](#)"].

(C) KNOWLEDGE IN TAMIL:-

Applicants should possess adequate knowledge in Tamil.

[For further details refer para 10 of 'Instructions to Applicants'].

(D) CERTIFICATE OF PHYSICAL FITNESS: -

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

Name of the posts	Standard of Vision	Form of Certificate of Physical Fitness
Research Assistant in Tamil Nadu Town and Country Planning Department	Standard III	Form prescribed for Other than Executive and Ministerial Posts.
Research Assistant in Evaluation and Applied Research Department	Standard III or Better Colour Blindness will be a disqualification	

5. (A) FEES:-

<p>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)</p> <p>Note: Applicants who have already registered in One Time Online Registration System and within the validity period of 5 years are exempted.</p>	Rs.150/-
<p>Examination Fee (For Both Interview & Non-Interview posts)</p> <p>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.</p>	Rs.150/-

Examination Fee (For Non-Interview posts only) Note: - The Examination fee should be paid at the time of submitting the online application for this recruitment if they are not eligible for the concession noted below.	Rs.100/-
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Note:

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

(B) EXAMINATION FEE CONCESSIONS:-

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

Note:

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

6. MODE OF PAYMENT OF EXAMINATION FEE:

1. CBT Examination fee of Rs.150/- (Rupees One hundred and fifty 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.
2. Applicants have to pay the service charges also as applicable.
3. Applicants can avail exemption from paying examination fee as per eligibility criteria.
4. **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").

7. CONCESSIONS:

1. 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's 3D, 5 and 6 of the 'Instructions to Applicants'.
2. 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].

8. SCHEME OF EXAMINATION: OBJECTIVE TYPE (CBT MODE):-

A. For the post Research Assistant in Tamil Nadu Town and Country Planning Department (Non- Interview Post).

Subject	Duration	Maximum marks	Minimum qualifying marks for selection	
			SCs, SC(A)s, STs, MBCs/DCs BC(OBCM)s & BCMs	Others
Paper –I (Subject Papers) (PG Degree Standard) (200 Questions) 1. For the post of Research Assistant in Statistics. Statistics (Code No.410) Or Mathematics (Code No.413) 2. For the post of Research Assistant in Economics. Economics (Code No. 411) 3. For the post of Research Assistant in Geography. Geography (Code No.412) 4. For the post of Research Assistant in Sociology. Sociology (Code No.368) or Social Work (Code No.370)	3 Hours	300	135	180
Paper – II:- Part-A Tamil Eligibility Test (SSLC Standard) (100 questions/150 marks)	}	150*		
Part-B (General Studies) (Code No:003) (100 questions)(150 marks) General Studies (Degree Standard) (75 questions) and Aptitude and Mental Ability Test (SSLC Standard) (25 questions)		3 Hours	150	
Total		450		

B. For the post of Research Assistant in Evaluation and Applied Research Department (Interview Post).

Subject	Duration	Maximum marks	Minimum qualifying marks for selection	
			SCs, SC(A)s, STs, MBCs/DCs BC(OBCM)s & BCMs	Others
Paper – I:- (PG Degree Standard) (200 Questions) [Subject Comprising Economics, Econometrics, Statistics, Business Administration, Mathematics, Social Work, Sociology, Anthropology, Agricultural Economics and Public Administration.] (Code No. 213)	3 Hours	300	153	204
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) (150 marks) General Studies (Degree Standard) (75 questions) and Aptitude and Mental Ability Test(SSLC Standard) (25 questions)		150		
Interview and Records		60		
Total		510		

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

Note:-

- a) Answer sheets 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 for Part B in Paper - II will be set both in English and Tamil.

- d) The questions in Paper - I (Subject Paper) will be set in English language only for the post of Research Assistant in Evaluation and Applied Research Department.
- e) The questions in Paper-I (Subject Paper) will be set both in English and Tamil language for the post of Research Assistant in Tamil Nadu Town and Country Planning Department.
- f) 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.
- g) 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.

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 -VI of this notification.

Instructions to the candidates who are claiming exemption 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

- vi. 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.
- h) Refer [para 17 of "Instructions to Applicants"](#) in regard to instructions to be followed while appearing for competitive examinations conducted by the Commission.
- i) The syllabus is available in **Annexure-II** to this Notification and also available in the Commission's website www.tnpsc.gov.in.
- j) **Instructions to candidates appearing for Computer Based Test (CBT):-**
 - The candidate has to appear for the examination where he has been allotted to the examination. Change of centre or venue is not permitted. He has to carry the Hall Ticket (Admission Card) and same has to be produced at the examination venue. Each candidate will be assigned a Computer to take up the examination. Candidates will be provided with a user name and password to login the system. Necessary instructions will be displayed on screen. Kindly read all the instructions carefully.
 - Candidates are not permitted to carry any electronic and / or communication device into the examination hall. They are advised not to bring the electronic gadgets with them.
 - Computer Based online Test (CBT) is similar to paper pen shading test.
 - In Computer Based online Test, questions with five options each will be displayed in the computer screen.
 - Candidate can use only the mouse to select the correct answers and proceed with answering the questions.

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

9. EXAMINATION CENTRES:-

The CBT Examination will be held at 7 district centres.

Sl. No.	Name of the Centre	Centre Code
1.	Chennai	0101
2.	Madurai	1001
3.	Coimbatore	0201
4.	Tirunelveli	2601
5	Trichy	2501
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.

10. SELECTION PROCEDURE:-

1. For the post of Research Assistant in Evaluation and Applied Research Department (Interview Post):-

Selection will be made in two successive stages i.e., (i) Written Examination and (ii) Oral Test in the form of an interview. Final selection will be made on the basis of total marks obtained by the candidates in the Written Examination and Oral Test taken together subject to the rule of reservation of appointment. Candidate's appearance in both the papers of the Written Examination and in the Oral Test is compulsory. A candidate who has not appeared in any one of the papers in Written Examination or Oral Test will not be considered for selection, even if he/she secures qualifying marks in the Written Examination or Oral Test. Based on the marks obtained by the candidates in the Written Examination, the 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 Oral Test following the rule of reservation of appointment.

2. For the post Research Assistant in Tamil Nadu Town and Country Planning Department (Non- Interview Post):-

Selection will be made in single stage, based on the marks obtained by the candidates in the written 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 through counselling method.

Note:

1. A rank list will be prepared for Interview posts after the conduct of Oral test (Marks secured in Written Examination and Oral test taken together). The candidates who have been selected for interview post will not be considered for Non-Interview posts.
2. After finalisation of selection in respect of Interview posts, a fresh Rank List (Marks secured in Written Examination) will be prepared for selection candidates in respect of Non-Interview posts, excluding the candidates the candidates who have been selected for Interview post.
3. Selection in respect of Non-Interview posts will be taken up after finalising the selection for interview posts. **(For further details refer para 18(A, B & C) of the "Instructions to applicants")**.

11.(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.

12. GENERAL INFORMATION:

A. The rule of reservation of appointments is applicable to this recruitment:-

i. For the post of Research Assistant in Tamil Nadu Town and Country Planning Department.

The rule of reservation of appointment does not apply to this post as the cadre strength is 'One' in each post.

ii. For the post of Research Assistant in Evaluation and Applied Research Department.

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

b. **As per G.O.(Ms) No. 21, Welfare of Differently Abled Persons(DAP. 3.2) Department , Dated 30.05.2017, 4% reservation of Vacancies earmarked for differently abled persons(Persons with Bench Mark Disability) shall be applicable.**

As per G.O.(Ms) No.20, Welfare of Differently Abled persons (DAP 3.2) Department, Dated 20.06.2018, the said post is classified under Group-B Categories and identified with suitable differently Abled Categories as detailed below:-

LV, HH, LD, CP, LC, DF, AC, ASD.

[LV-Low Vision, HH-Hard of Hearing, LD-LoCo-Motor Disability, CP- Cerebral Palsy, LC-Leprosy Cured, DF-Dwarfism, AC-Acid Attack Victims, ASD-Autism Spectrum Disorder]

B. Persons Studied in Tamil Medium:-

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

(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 Post Graduate Degree, then the candidate should have studied from the First Standard to SSLC, Higher Secondary Course, Degree and Post Graduate Degree through Tamil Medium of instruction. (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).**
- (C) 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.
- (D) If no qualified and suitable women applicants are available for selection against the vacancies reserved for them, those vacancies will be filled by male applicants belonging to the respective communal categories. **[Section 26(5) of the Tamil Nadu Government Servants (Conditions of Service) Act, 2016].**
- (E) Wherever vacancies are reserved for Arunthathiyars on preferential basis, even after filling the vacancies reserved for SC (Arunthathiyars) on preferential basis, if more number of qualified Arunthathiyars are available, they shall be entitled to compete with the Scheduled Castes other than Arunthathiyars in the inter-se-merit among them and if any posts reserved for Arunthathiyars

remain unfilled for want of adequate number of qualified applicants, it shall be filled by Scheduled Castes other than Arunthathiyars.

[Section 27 of the Tamil Nadu Government Servants (Conditions of Service) Act, 2016].

- (F) 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.
- (G) 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.
- (H) 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"]**
- (I) 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.
- (J) 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.

(K) **DETERMINATION OF COMMUNITY FOR TRANSGENDER:**

- (i) The Transgender candidates, who do not possess any community certificate may choose to be considered under Most Backward Classes as per G.O.(Ms.) No.28, Backward Classes, Most Backward 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 candidates 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"}

(L) **RESERVATION IN EMPLOYMENT FOR TRANSGENDER:**

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

13. 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 may be sent to grievance.tnpsc@tn.gov.in [Refer in Note (h),(i),(j) under Para 2(V) of "Instructions to applicants"].
- (d) **COMMUNICATION TO APPLICANTS:** Individual communication regarding the date and time of Certificate Verification, Oral Test and Counselling (as applicable) will not be sent to the applicants by post. The details will be made available on the Commission's website. **Applicants will be informed of the above fact only through SMS and e-mail and they should watch the Commission's website in this regard. Commission is not responsible for non-delivery of SMS / e-mail due to any reasons.**
- (e) **During the process of recruitment from Notification till completion of selection process, No information / clarification on the selection particulars / details will be furnished to any 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) Applicants are advised, in their own interest, not to bring any of the banned items including mobile phones to the venue of the examination, as arrangements for safekeeping of the same cannot be assured. (For further details refer Para 17-E to "Instructions to Applicants").

- (g) Applicants applying for the examination should ensure that they fulfil all the eligibility conditions for admission to the examination. Their admission at all the stages of examination for which they are admitted by the Commission will be purely provisional, subject to their satisfying the prescribed eligibility conditions. **If, on verification at any time before or after the 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 applicant 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 applicant should misbehave in any manner or create a disorderly scene in the examination hall or harass the staff employed by the Commission for the conduct of the examination. Any such misconduct will be viewed seriously and penalised.
- (k) For violation of "Instructions to Applicants" in any manner, suitable penalty will be imposed as per Para 17-E to "Instructions to Applicants" or as deemed fit by the Commission.
- (l) Tentative answer keys will be hosted in the Commission's website within 6 working days from the date of conduct of objective type examination. Candidates can challenge the tentative answer keys of the objective type examination through the 'Answer Key Challenge' window available in the Commission's website [Results → Answer Keys]. Representations, if any, challenging the tentative answer keys shall be submitted only through online mode **within seven days from the date of publication of tentative answer keys**. Representations received by post or e-mail will receive no attention.

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

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

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

Requests from candidates for furnishing of their marks or answer 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"].

14. 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.
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.
- (6) Applicants should select the name of the post for which the applicant wishes to apply.
- (7) Online applications uploaded without the photograph, signature and the documents specified in the Annexure-III will be rejected after due process.
- (8) **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"].

15. UPLOAD OF DOCUMENTS:

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

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

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

16. LAST DATE FOR SUBMISSION OF APPLICATION:

*Online application can be edited/ submitted upto **25.07.2023** till 11.59 p.m., after which the link will be disabled. Online application correction window period is from **31.07.2023 - 12.01 AM** to **02.08.2023 - 11.59 PM**. The applicants are permitted to upload / re-upload the documents upto **27.08.2023** 11.59 P.M, after which the link will be disabled. **(For detailed information, applicants may refer to the "Instructions to Applicants" at the Commission's website www.tnpsc.gov.in).***

DISCLAIMER

"The Government orders relating to Equivalence of qualification are available on the Tamil Nadu Public Service Commission's website. However, if the applicant possesses an equivalence of qualification other than one mentioned in the Commission's website and if Government orders to this effect have been issued on or before the date of this notification, applicants should furnish the details of the same while applying and should 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**G.Os relating to equivalence for the Subjects
Statistics, Economics, Geography and Social Work**

Sl. No.	Name of the Post	Qualification Prescribed	Equivalence Degree	G.O.
1.	Research Assistant (Statistics)	Master's Degree of any recognized University or Institution with Statistics or Mathematics as the Main subject	M.Sc., Mathematics with Computer Application and M.Sc., Mathematics with Computer Application (5 year Integrated) awarded by Annamalai University is Equivalent to M.Sc., Mathematics	G.O. (1D) No.260, Higher Education (H1) Department, dated 15.09.2012
			M.Sc., Applied Mathematics awarded by Bharathidasan University and M.Sc., Applicable Mathematics and Computer Science awarded by Bharathidasan University is Equivalent to M.Sc., Mathematics	G.O. (Ms.) No.58, Higher Education (K2) Department, dated 15.04.2013
			M.Sc., Mathematics (Computer Application) is equivalent to M.Sc., Mathematics	G.O. (Ms.) No.72, Higher Education (K2) Department, dated 30.04.2013
			M.Sc., Statistics with Computer Application awarded by Manonmaniam Sundaranar / Periyar/Bharathiyar University is equivalent to M.Sc., Statistics	G.O. (Ms.) No.116, Higher Education (K2) Department, dated 22.07.2014
			M.Sc., Statistics with Computer Application (5 years Integrated Programme) awarded by Annamalai University equivalent to 3 years UG in Statistics and 2 years PG in Statistics	
2.	Research Assistant in Economics	Must hold a Master's Degree in First or Second class with Economics as Main subject	M.A., Applied Economics (5 Years Integrated Course) awarded by Annamalai University is Equivalent to M.A., Economics	G.O. (1D) No.268, Higher Education (H1) Department, dated 20.09.2012.

			M.A., Business Economics awarded by Bharathiyar, Annamalai and Gandhigram University is Equivalent to M.A., Economics	G.O. (Ms.) No.72, Higher Education (K2) Department, dated 30.04.2013
			M.A., Applied Economics awarded by Annamalai University is equivalent to M.A., Economics	
			M.Sc., Mathematical Economics is equivalent to M.A., Economics	G.O.(Ms) No.117, Higher Education (K2) Department, dated 02.07.2013
			M.A., Applied Economics awarded by Bharathidasan University is equivalent to M.A., Economics	G.O.(Ms.) No.27, Higher Education (K2) Department, dated 13.02.2014
			M.A., Business Economics offered by Ethiraj College for Women, Chennai affiliated to University of Madras is equivalent to M.A., Economics	G.O. (Ms.) No.116, Higher Education (K2) Department, dated 22.07.2014
			M.A., Indian Economics awarded by University of Madras is equivalent to M.A., Economics	
3.	Research Assistant in Geography	Must hold a Master's Degree in First or Second class with Geography as Main subject	M.Sc., Applied Geography awarded by Madras University is equivalent to M.Sc., Geography	G.O.Ms. No.228, Higher Education (K2) Department, dated 04.11.2013
			M.Sc., Applied Geography Bharathiyar University and Bharathidasan University is equivalent to M.Sc., Geography	G.O.Ms. No.270, Higher Education (K2) Department, dated 31.12.2013
4	Research Assistant in Sociology	Must hold as Master's Degree in First or Second class with Sociology or Social Work as Main subject	Master of Social Work awarded by Bishop Heber College, Trichy is equivalent to M.A., Social Work	G.O.No.2, Personnel and Administrative Reforms (R) Department, dated 03.01.2000

ANNEXURE-IA**G.Os relating to equivalence of qualification for the subjects Economics, Statistics, Mathematics, Social Work, Public Administration**

Sl. No	Degree	Equivalence Degree	G.O.
1.	திருச்சிராப்பள்ளி, பிஐப் ஈபர் கல்லூரியால் வழங்கப்படும் முதுநிலை சமூகப் பணி பட்ட மேற்படிப்பு (Master of Social Work)	திருச்சிராப்பள்ளி, பிஐப் ஈபர் கல்லூரியால் வழங்கப்படும் (M.A., Social Work)	அரசாணை நிலை எண்.2, பணியாளர் மற்றும் நிருவாகச் சீர்திருத்தத் (ஆர்) துறை, நாள் 03.01.2000
2	M.A., Applied Economics(Five Years Integrated Course) awarded by Annamalai University	M.A., (Economics)	G.O. (1D) No.268, Higher Education (H1) Department, dated 20.09.2012
3.	M.Sc., Applied Mathematics awarded by Bharathidasan University	M.Sc., (Mathematics)	G.O.Ms.No.58, Higher Education (K2) Department, dated 15.04.2013
4.	M.Sc., Applicable Mathematics and Computer Science awarded by Bharathidasan University	M.Sc., (Mathematics)	
5.	M.Sc., Mathematics with Computer Application	M.Sc., (Mathematics) Gandhigram University	G.O.Ms.No.72, Higher Education (K2) Department, dated 30.04.2013
6.	M.A., Business Economics	M.A., (Economics) Annamalai University / Bharathiar University/ Gandhigram University	
7.	M.A., (Applied Economics) (Annamalai Universtiy)	M.A., Economics	
8.	M.Sc., Mathematical Economics)	M.A., (Economics)	
9.	M.Sc., (Tech) (Industrial Mathematics with Computer Application) (Gandhigram University)	M.Sc., Mathematics	

10.	M.Sc., Economics 5 years Integrated course awarded by Avinashilingam Institute of Home Science and Higher Education for Women Deemed University	M.A., (Economics)	G.O.(Ms.) No.117, Higher Education (K2) Department, dated 02.07.2013
11.	M.A., Public Management awarded by Madras University	Post Graduate Degree in Public Administration	G.O.Ms.No.228, Higher Education (K2) Department, dated 04.11.2013
12.	M.A., Development Administration (5 years Integrated) awarded by Gandhigram Rural University	M.A., (Public Administration)	
13.	M.A., (Applied Economics) awarded by Bharathidasan University	M.A., (Economics)	G.O.Ms.No.27, Higher Education (K) Department, dated 13.02.2014
14.	M.A., (Business Economics) offered by Ethiraj College for Women, Chennai affiliated to University of Madras	M.A., (Economics)	G.O.Ms.No.116, Higher Education (K) Department, dated 22.07.2014
15.	M.A., Indian Economics awarded by University of Madras	M.A., Economics	
16.	M.Sc., Statistics with Computer Application awarded by Manonmaniam Sundaranar University / Periyar University/ Bharathiar University	M.Sc., (Statistics)	
17.	M.Sc., Statistics with Computer Application (5 years Integrated Programme) awarded by Annamalai University	3 years UG in Statistics and 2 years PG in Statistics	
18.	M.Sc., Applied Mathematics (Operation Research) awarded by Bharathidasan University	M.Sc., (Mathematics)	G.O.Ms.No.212, Higher Education (K2) Department, dated 17.12.2014
19.	M.Sc., Mathematics (Applicable Mathematics) awarded by Periyar University	M.Sc., (Mathematics)	
20.	M.Sc., Mathematics with Computer Application and Five Year integrated M.Sc., Mathematics with Computer Application awarded by Annamalai University	M.Sc., (Mathematics)	G.O.Ms.No.260 Higher Education (H1) Department, dated 15.09.2012

21.	Public Services - Educational Qualification consideration as to whether P.G degree in Applied Mathematics awarded by Anna University is equivalent to PG degree in Mathematics	P.G degree in Mathematics	G.O.(Ms.)No.86, Higher Education (J1)Department, dated 27.04.2015
22.	Public Services - Educational Qualification - Consideration of M.S. Applied Econometrics awarded by Pondicherry University as to whether equivalent to M.A. Economics	M.A Economics	G.O.(Ms.)No.02, Higher Education (K2) Department, dated 05.01.2016
23.	Public Services - Educational Qualification - Consideration of M.A. Analytical Economics Degree awarded by Kerala University as to whether equivalent to M.A. Economics Degree for the purpose of employment in Public Services.	M.A Economics	G.O.(Ms.)No.323, Higher Education (K2)Department, dated 13.11.2017
24.	Public Services - Educational Qualification - Consideration of M.Stat degree course of Periyar EVR College, Trichy affiliated to Bharathidasan University as to whether equivalent to M.Sc., Statistics Degree course for the purpose of employment in Public Services.	M.Sc., Statistics	G.O.(Ms.)No.323, Higher Education (K2)Department, dated 13.11.2017
25	Public Services - Educational Qualification - Consideration of M.A. Applied Economics Degree awarded by Pondicherry University as to whether equivalent to M.A. Economics Degree for the purpose of employment in Public Services.	M.A Economics	G.O.(Ms.)No.33, Higher Education (K2)Department, dated 12.02.2018
26.	Public Services - Educational Qualification - Consideration of M.Sc., Applicable Mathematics offered by SDNB Vaishnav College for Women (Autonomous) affiliated to University of Madras as to whether equivalent to M.Sc., Mathematics for the purpose of employment in Public Services.	M.Sc., Mathematics	G.O.(Ms.)No.65, Higher Education (K2)Department, dated 24.04.2019
	Public Services - Educational Qualification - Consideration of M.Sc., Maths (CA) awarded by Periyar University as to whether equivalent to M.Sc., Mathematics for the purpose of employment in Public Services.	M.Sc., Mathematics	G.O.(Ms.)No.65, Higher Education (K2)Department, dated 24.04.2019

	Public Services - Educational Qualification - Consideration of P.G. degree in Bio-Statistics (M.Sc., Bio-Statistics) awarded by University of Madras as to whether equivalent to P.G degree in Statistics (M.Sc., Statistics) for the purpose of employment in Public Services.	M.Sc., Statistics	
	Public Services - Educational Qualification - Consideration of M.Sc., Statistics with Computer Applications (Five year integrated) awarded by Annamalai University as to whether equivalent to M.Sc., Statistics for the purpose of employment in Public Services.	M.Sc., Statistics	
	Public Services - Educational Qualification - Consideration of M.Sc., Statistics with Computer Applications (CBCS) awarded by Annamalai University as to whether equivalent to M.Sc., Statistics for the purpose of employment in Public Services.	M.Sc., Statistics	
27.	Public Services - Educational Qualification - Consideration of M.Sc., Applied Econometrics degree offered by Bharathiar University as to whether equivalent to M.A. Economics degree for the purpose of employment in Public Services.	M.A. Economics	G.O.(Ms.)No.266, Higher Education (K2)Department, dated 29.11.2019
	Public Services - Educational Qualification - Consideration of M.Sc., Mathematical Economics degree offered by Madurai Kamaraj University as to whether equivalent to M.A. Economics degree for the purpose of employment in Public Services.	M.A. Economics	
	Public Services - Educational Qualification - Consideration of M.A.Applied Economics degree offered by Annamalai University as to whether equivalent to M.A. Economics degree for the purpose of employment in Public Services.	M.A. Economics	

	Public Services - Educational Qualification - Consideration of M.A.Business Economics programme degree offered by Gandhigram Rural Institute (Deemed to be University) as to whether equivalent to M.A. Economics degree for the purpose of employment in Public Services.	M.A. Economics	G.O.(Ms.)No.266, Higher Education (K2)Department, dated 29.11.2019
	Public Services - Educational Qualification - Consideration of M.A.Business Economics degree offered by Bharathiar University as to whether equivalent to M.A. Economics degree for the purpose of employment in Public Services.	M.A. Economics	
	Public Services - Educational Qualification - Consideration of M.Sc., Statistics (5 year integrated) degree offered by Annamalai University as to whether equivalent to M.Sc., Statistics degree for the purpose of employment in Public Services.	M.Sc., Statistics	
	Public Services - Educational Qualification - Consideration of M.Sc., (Statistics and Informatics) degree offered by Bharathidasan University as to whether equivalent to M.Sc., Statistics degree for the purpose of employment in Public Services.	M.Sc., Statistics	
	Public Services - Educational Qualification - Consideration of M.Sc., (Statistics and Information Technology) degree offered by Manonmaniam Sundaranar University as to whether equivalent to M.Sc., Statistics degree for the purpose of employment in Public Services.	M.Sc., Statistics	
	Public Services - Educational Qualification - Consideration of M.Sc., Mathematics (Computer Applications) degree offered by Periyar University as to whether equivalent to M.Sc., Mathematics degree for the purpose of employment in Public Services.	M.Sc., Mathematics	

	Public Services - Educational Qualification - Consideration of M.Sc., Mathematics (Computer Applications) degree offered by Gandhigram Rural Institute (Deemed to be University) as to whether equivalent to M.Sc., Mathematics degree for the purpose of employment in Public Services.	M.Sc., Mathematics	G.O.(Ms.)No.266, Higher Education (K2)Department, dated 29.11.2019
	Public Services - Educational Qualification - Consideration of M.Sc., Mathematics (Five year Integrated) degree offered by Annamalai University as to whether equivalent to M.Sc., Mathematics degree for the purpose of employment in Public Services.	M.Sc., Mathematics	
	Public Services - Educational Qualification - Consideration of M.Sc., Mathematics & Computer Applications degree offered by Alagappa University as to whether equivalent to M.Sc., Mathematics degree for the purpose of employment in Public Services.	M.Sc., Mathematics	
	Public Services - Educational Qualification - Consideration of M.Sc., Applicable Science-Mathematics degree awarded by Periyar University as to whether equivalent to M.Sc., Mathematics degree for the purpose of employment in Public Services.	M.Sc., Mathematics	
	Public Services - Educational Qualification - Consideration of M.Sc., Tech (Industrial Mathematics with Computer Application) degree offered by Gandhigram Rural Institute (Deemed to be University) as to whether equivalent to M.Sc., Mathematics degree for the purpose of employment in Public Services.	M.Sc., Mathematics	
28.	Public Services - Educational Qualification - Consideration of M.A. Applied Econometrics offered by Bharathidasan University as to whether equivalent to M.A.Economics degree for the purpose of employment in Public Services.	M.A.Economics	G.O.(Ms.)No.185, Higher Education (K1)Department, dated 15.12.2020.

	Public Services - Educational Qualification - Consideration of M.A.Applied Economics offered by Bharathaiar University as to whether equivalent to M.A. Economics degree for the purpose of employment in Public Services.	M.A. Economics	
	Public Services - Educational Qualification - Consideration of M.A. Corporate Economics offered by University of Madras as to whether equivalent to M.A. Economics degree for the purpose of employment in Public Services.	M.A. Economics	
	Public Services - Educational Qualification - Consideration of M.Sc., Mathematics with Computer Application offered by Bharathaiar University as to whether equivalent to M.Sc., Mathematics degree for the purpose of employment in Public Services.	M.Sc., Mathematics	
29.	Public Services - Educational Qualification - Consideration of M.Sc., Applied Mathematics (1997 to 1998) offered by Thiagarajar College of Engineering as to whether equivalent to M.Sc., Mathematics degree for the purpose of employment in Public Services.	M.Sc., Mathematics	G.O.(Ms.)No.214, Higher Education (J1)Department, dated 30.12.2020.
	Public Services - Educational Qualification - Consideration of M.Sc., Applied Mathematics (2001 to 2002) offered by Thiagarajar College of Engineering as to whether equivalent to M.Sc., Mathematics degree for the purpose of employment in Public Services.	M.Sc., Mathematics	G.O.(Ms.)No.214, Higher Education (J1)Department, dated 30.12.2020.

ANNEXURE-II**POST OF RESEARCH ASSISTANT IN EVALUATION****AND APPLIED RESEARCH DEPARTMENT****(POST GRADUATE DEGREE STANDARD COVERING ALL THE SUBJECTS
REFERRED IN THE RULES)****Subject Code: 213****Unit - I:**

Indian Economy – Growth and development: Agriculture: Area, Yield, And Production, marketing and sales. Rural Development – Industry: Input and output – Service Sector: Types of service sector, skilled labour, semi-skilled labour and unskilled labour – Changing Sectoral contributions – Industrial Policy Changes – FDI – Infrastructure: Public Health – Education – drinking water – sanitation – Public transport – Banking and financial services – housing facilities – Nutrition – Investment – Public Private Participation – Inclusive growth. Human Development: Concepts, Trends and Issues – Employment, unemployment, under employment and disguised unemployment – concepts, measurement and Trends – Employment in Organized and unorganized sector – Strategies for Employment Generation. Poverty: Concepts, measurement and Trends, Fiscal Policy – FRBM Act – Goods and Service Tax (VAT) – Fiscal Federalism – Paralleleconomy in India – Inflation: Definition, trends, estimates, consequences and remedies – RBI – Monetary and Fiscal policy – Banking Sector Reforms – India's foreign trade, composition, direction and recent changes in trade policy – Balance of payments – India and WTO requirements – Global Financial Crisis and its Impact on India. Index number: Consumer price index – Whole Sale price Index. Time series analyses – Moving average Method

Unit - II:

Primary data collection – Field Investigation – Census method – Sampling Method – Direct personal observation – Interview method – Indirect oral interview – Information through agencies – Mailed Questionnaires and scheduled sent through enumerator. Secondary data collection – Books – Journals – Government (Ministry) Records and reports from government agencies – Bibliography – Autography – Web site – News Paper – Periodicals, etc. Evaluation and preparation of the report and components of evaluation Report: Executive summary – background and purpose – statement of the problem – objectives and Hypotheses – evaluation methods (Statistical methods used in the study) – result and discussion of the result – conclusion and recommendation – reference or bibliography – appendices.

Unit – III:

Econometrics - definition, methodology, Data – meaning and types of data such as cross-section, time-series and panel data, primary & secondary data – advantages & disadvantages, Variables – meaning and types such as quantitative and qualitative variables, measurement scales of variables such as ratio, interval, ordinal and nominal – simple examples. Correlation – simple and multiple correlation, properties of correlation coefficients, Karl Pearson's and Spearman's rank correlation coefficients, Simple numerical problems - Simple & multiple linear regression model – introduction, assumptions, least squares principle, least squares estimators, properties of regression coefficients (Gauss-Markov theorem), interpretation of regression output – R² & adjusted R², regression coefficients with t-values and level of significance, Simple numerical problems - advantages of regression analysis over correlation analysis, Functional forms of regression

models – log-linear, log- lin and lin-log models and computation of elasticity, computation of simple and compound growth rates - simple numerical examples.

Unit - IV:

Econometric Problems: heteroscedasticity, multicollinearity and autocorrelation – definition and consequences. Dummy variables: definition, generation of dummy variables, problem of dummy variable trap, cautions in using dummy variables, inclusion and interpretation of dummy variables in the regression. Qualitative response regression models – linear probability, logit and probit models – an introduction. Basics of time-series: additive and multiplicative models, determination of trend by free drawing, moving average methods, and seasonal indices, definition of stationarity, tests for stationarity and transformation of non-stationary series into stationary series.

Unit - V :

Compilation and Tabulation of data Collected - Classification – Types of Classification – Formulation of discrete and continuous frequency distribution (uni-variate and Bi- variate). Pictorial Representation of data: Bar diagrams – Pie diagrams – Histogram – Ogives and Lawrence Curve Measures of Location – Mean, Median, Mode, Harmonic Mean and Geometric Mean – Quartiles - Measures of variation: Range, Quartile deviation, Mean deviation, Variance and Standard deviation. Coefficient of variation, skewness and Kurtosis. (All the calculation of measures are for both grouped and ungrouped data) Probability and Distribution: Introduction to probability: Random Experiments, Sample Space and events, Definition of probability. Classical, Empirical and Axiomatic approach to probability; Addition and Multiplication Theorem, Conditional probability and Baye's Theorem. Random Variables and Distribution function – Mathematical Expectation and conditional Expectation. Convergence in Probability – Weak Law of large Numbers and strong law of large Number – Central limit Theorem – Discrete distributions: Binomial, Poisson. Continuous Distributions: Normal Distribution Chi-Square, t and F distributions and their properties.

Unit - VI:

Application of Statistical Methods - Sampling Theory: Introduction to the theory of Sampling: Sampling designs – Simple Random Sampling with and without replacement - Systematic, Stratified, Ratio and Regression Sampling methods , Sampling and non – sampling errors – Cluster sampling, Purposive Sampling Quota Sampling. Testing of Hypothesis: Introduction to Testing of Hypothesis: Simple, Null and Alternative hypotheses, composite hypothesis, two kinds of Errors – Critical Region – Power function. Testing of significance using chi-square, t and F tests.(simple problems) ANOVA- One way and Two way classifications. Application of Statistical Methods through MS-Excel – Language : Over view of MS-Excel: Construction of charts and diagrams – Sorting – Filtering – Removing duplicates – Calculation of Measures of Central tendency, Measures of dispersion, correlation Regression and curve fitting using – Excel.

UNIT - VII:

Theory of Consumer Behavior - Utility and its measurement - Indifference curve analysis and Consumer's surplus. Demand and supply functions - Elasticity of demand and supply - Factors affecting demand and supply. National Income - Concepts and measurement. Classical and modern theories of Employment. Consumption function - Investment and savings. Concept of Multiplier and Accelerator. Inflation - Nature, Effects and controlling mechanisms. Monetary policy and Fiscal policies and Role of RBI. Types of Market Structure - perfect

competition, monopoly, monopolistic. Competition, oligopoly and price determination. Agricultural marketing - Characteristics of Agricultural products and constraints in marketing agricultural produce. Marketable and Marketed surplus estimation. Estimation of price spread and Marketing Efficiency. Market integration, Marketing Intelligence and Marketing Acts. Institutions in Agricultural Marketing - Regulated Markets, Cooperatives, Commodity Boards, Contract Farming, Commodity Exchanges, Farmers' Markets and Farmers Producers Organizations. Commission on Agricultural Costs and Prices - Agricultural Price fixation and price support programs and policies. Price forecasting. Supply chain Management and logistics. Development planning in India - Agriculture in five year plans. Land tenure and reforms. Unemployment, Poverty and inequality. Food and nutritional security. Population policies. Income distribution - Social Choice Theory - Public goods

- Welfare economics. Rural Indebtedness. Financial Institutions and Credit Flow to Rural/ Priority Sector. Agricultural Lending - Direct and Indirect Financing - Financing through Co- operatives, Commercial Banks and RRBs - Role of Lead Bank and NABARD - District Credit Plan. Credit linked Rural Development Programs - RIDF. Micro- Financing - Role of MFI's, NGO's, and SHG's. Credit Inclusion-Credit Widening

- Credit Deepening. Risk in agriculture and different Crop Insurance Programs - Agricultural project preparation - project cycle - Costs and benefit analysis - Discounted and Undiscounted Measures - Sensitivity analysis. Technical feasibility of economic viability of projects. Use of Network techniques - Project monitoring and evaluation. Forms of production functions - Returns to scale vs Economies of scale. Cost of cultivation vs Cost of Production - Cost concepts - Fixed Cost, Variable cost, Average Cost and Marginal cost. Efficiency Measures - Technical and Economic Efficiency. Financial statements and ratio analysis. Partial and complete budgeting and their applications.

UNIT - VIII:

Concepts, Classification and Problems of Natural Resource Economics. Economy and Environment interaction. Resource scarcity - Limits to Growth - Measuring and mitigating natural resource scarcity-scarcity indices. Malthusian and Ricardian Scarcity. Theory of optimal extraction of exhaustible and renewable resources. Property rights - Issues in natural resource management - private property, common property and open access resources - Collective action in common property resource management. Land use planning - optimal management of land, water, forests and fisheries. Resource mapping - GIS and remote sensing applications. Environmental problems and quality of environment - Economics of the environment -Theory of externality. Sources and types of pollution - air, water, solid waste, land degradation - Environmental and economic impacts. Economics of pollution control - efficient reduction in environmental pollution. Environmental regulation - Economics instruments and indirect instruments (command and control policies). Environmental legislations in India. Concept of sustainable development - Indicators of sustainability. Environmental Accounting - resource accounting methods. Climate change and its impacts - mitigation efforts and international treaties. International Trade and Comparative Advantage. Terms of Trade and Instruments of Trade Policy - Tariffs and Non tariffs. Balance of Trade vs Balance of payments. Exchange Rates. International Organizations - IMF, IBRD, IDA, IFC. WTO. Fundamental vs. Applied Research - Qualitative vs Quantitative Research. Research Prioritization - Identification of Research Problems and Prioritization. Research Process. Trade-off between scope and cost of the study. Research Design and Techniques. Hypothesis - Meaning - Characteristics - Types of Hypothesis and Testing. Setting of Objectives and Hypothesis. Sampling Theory and Sampling Design. Sampling Error. Sampling methods - Probability and Non-Probability methods.

Interviewing Techniques – Questionnaire vs Interview schedules and Field Problems – Methods of Conducting Survey. Types of data – Primary and Secondary data. Sources of Secondary Data and Data collection techniques. Types of questions in interview schedule – Structured, Unstructured, Open Ended and Closed-Ended Questions. Data coding and data entry. Data Tabulation and Validation of Data. Data Processing. Application of Analytical tools to data – Simple and Multiple regression and problems in estimation – Multicollinearity, Heteroscedasticity and Autocorrelation. Optimization Models – Linear Programming: Concepts and theories. Problem formulation – Minimization and Maximization problem (Primal and Dual solutions). Sensitivity analysis. LP in farm planning and regional planning. Risk Programming and dynamic programming techniques.

Unit - IX:

Nature and Scope of Sociology, Sociology as a Science. Individual and Society. Social Process: Competition, conflict, Co-operation, Accommodation, Assimilation, Social control. Social Institutions: Family and Marriage. Theoretical Perspectives:- Structural Functional Perspective: August Comte, Herbert Spencer, Max Weber, Emile Durkheim, R.K. Merton. Conflict Perspective: Karl Marx, Ralf Dahrendorf and L. A. Coser. Caste System in India: Origin of the caste system; cultural and structural views about caste; mobility in caste; change and persistence of caste in modern India; views of Gandhi and Ambedkar about caste system. Class Structure in India: Agrarian and industrial class structure; emergence of middle class. Rural Social Structure: Village Social Structure and Importance of Village Studies. Peasant society and agrarian systems; land tenure systems, social consequences of land reforms and green revolution. Agrarian unrest and movements in India. Rural social problems in India: poverty, unemployment, indebtedness, farmer's suicide and bonded labour. Strategies of rural development programmes. Tribal Societies in India: Type and distinctive features of tribal communities in India and their geographical spread. Problems of tribal communities: land alienation, poverty, indebtedness, health and nutrition, education, Integration and issues of tribal identity. Tribal development policies after independence.

Unit - X:

Socio- religious reform movements: Bhakthi Movements, Arya Samaj, and Ram Krishna Mission. Backward Class Movements: Satya Sadhak Samaj, Sri Narayanguru Dharma Paripalana Movement (SNDP), Self-respect movement, Dalit Movements, Political Mobilization of Backward Classes. Women in Indian society: Socio-cultural interpretation of women in India. Demographic profile of women. Problems of Women in India: dowry, domestic violence, discrimination, female infanticide, honor killing, sexual harassment. Women empowerment programmes and SHGs. Social Research: Meaning of Social Research, Scope and Importance of Social Research. Types of Research, Research Process: Identification and formulation of research problem. Methods of Research: Descriptive and Explorative methods. Sampling Methods, Methods of Data Collection. Tools of Data Analysis: Univariate and Bivariate Statistics, Chi-square Test. Application of ICT in Social Research. Evaluation Research: Meaning and aims of evaluation research. Types of evaluation and their purpose. Levels of measurement: population-based vs. program-based. Sources of data. Study designs. Impact Assessment Research: Programmes and policy evaluation research. Environmental impact assessment research. Research Report Writing: Organization of a research report: Title, Abstract, Introduction, Experimental Details or Theoretical Analysis, Results, Discussion, Conclusions and Summary, References. Quality of good research report. Significance of research report.

Unit – XI:

Public Administration Theory and Principles - Public Administration: Meaning and scope and significance – Public vs Private Administration – Approaches to the study of Public Administration-Comparative Public Administration – Development Administration - New Public Administration – New Public Management - Principles of Organization and Administration – Classical theories – Human Relation theories – Modern theories of administration – Bureaucratic culture-Administrative Responsibility and Ethics.

Unit – XII:

Public Administration in Practice - Public Financial Administration: Budgetary process and accountability, Union – State financial relations in India – Good Governance: Social welfare schemes in Tamil Nadu, Women Empowerment schemes in Tamil Nadu, Health care Policy in Tamil Nadu – E. Governance : ICT application in government – IT parks in Tamil Nadu – District administration: e-governance in Districts, THAI scheme, Pudhuvazhvu scheme – Special Economic Zones – Panchayat Raj: Rural Development programmes in Tamil Nadu, Environmental protection in Tamil Nadu – Administrative reforms: Personnel and Administrative Reforms, Urban Governance: Urban Local bodies in Tamil Nadu, Jawaharlal Nehru National Urban Renewal Mission (JNNURM) in Tamil Nadu – Tamil Nadu Urban Development Project – Human Rights governance: the Tamil Nadu State Human Rights Commission- Social Science Research: Meaning, nature and scope of social science research- Qualities of good researcher-Types of social science research: Historical-Descriptive-Empirical-Experimental-Qualitative-Quantitative-Hypothesis-Variables-Sampling: Probability and Non-Probability sampling – Methods of Data Collection: Primary and Secondary data- Observation-Schedule- Survey-Interview-Questionnaire-Measurement- Data Analysis-Tabulation-Inferences- Research Design and Report.

Unit – XIII:

Social work research - Scientific Method: Objectivity, Scientific attitude, Ethics in research; Types of Research: Applied and Pure, Quantitative and Qualitative, Mixed methods, Participatory, Action research, Evaluative, Field based research. Research as a method in Social Work. Research process: Classification of Variables, Concepts, Constructs, identifying and formulating research problem, research questions, defining objectives, hypotheses. Research Designs: Exploratory, Descriptive, Diagnostic, Experimental, Evaluative and Participatory. Sampling Methods : Probability and Non- probability sampling techniques. Data Collection: Types of data, data collection methods, Questionnaire, Interview Schedule, Interview Guide, Observation (Participatory and non participatory) Qualitative Research techniques: FGDs, In-depth interview, Transcription, Themes, Illustrative quotes. Appreciative inquiry technique. Photo voice technique. Social Audits. Triangulation and Iteration.

Unit – XIV:

Project evaluation - Project identification and formulation – Classification of projects, Project objectives, Project life cycle and phases, Project Planning and Organization. Project feasibility analysis (Financial, Technical) Market Survey, Demand analysis, Forecasting and Projection. Terms of reference: Area of study, documents needed, process, time frame, Team members. Evaluation design; Types of Evaluation; Project design: Time management, sequencing and scheduling, Network Analysis, CPM and PERT, Logical Framework Approach (LFA), Problem Analysis and Problem Tree. Log Frame Matrix, Social Cost – Benefit analysis, Environmental Impact Assessment, Legal aspects and clearance. Factors

such as efficiency, effectiveness and sustainability of the project. Project appraisal and Implementation: Project Appraisal methods: (Financial, Technical) Project Financing, Project Resource mobilization, Negotiation, Decision making, Project control and Monitoring techniques, Project evaluation: Tools of Evaluation: Ladder of Life (UN tool). Community impact assessment, Holistic World View Analysis, Vulnerability Assessment, Impoverishment assessment, FGDs and Reporting on Evaluation.

UNIT - XV:

Basics and Major areas of Management - Concept and Foundations of Management – Managerial Functions – Planning and decision making, Organizing, co-ordination and control – Role of Manager – Managerial skills – Management of innovation – Personality Theories and Determinants – Meaning and Process of perception – Motivation Concepts, Theories and Applications. Leadership – Theories and Styles – Quality of Work Life (QWL) – Quality Circles (QC) – Management of Conflicts in Organizations – Demand analysis and forecasting – cost functions – Break-Even-Analysis - Theory of firm-profit maximization and sales maximization – Pricing decisions under different market structures. National income- GNP, GDP, Gross Domestic savings – Monetary and Fiscal policies – Business cycle. Fundamentals of operations management – Aggregate production planning, capacity planning – plant design – process planning – plant size and scale of operations – Management of facilities – Production control – Supply chain management - Quality management – statistical process control-role and importance of material management – Modern production concepts – JIT, Kaizen, Japanese 5's framework. Nature and scope of financial management – finance function- valuation concepts and Valuation of securities- financing decisions-sources of finance- cost of capital and capital structure – Investment decisions – Capital budgeting – Working capital management – Dividend decisions. Marketing Management – evolution and scope – Marketing strategy formulation and components of marketing plan – Segmenting and targeting the market – Positioning and differentiating of the market – Analyzing competition – Analyzing consumer markets – Industrial buyer behavior – Marketing research – Product strategy – Pricing strategies – Designing and managing Marketing channels – Building customer satisfaction – Ethics in marketing – Consumer protection - Concepts and policies of HRM – HRM functions – Future challenges of HRM-Human resource planning – Job analysis – Job evaluation – Recruitment and selection – Training and development – Promotion and transfer – compensation – performance appraisal and 360 degree feedback – HR audit – Handling of sexual harassment in the work place-current trends and issues in HRM. Nature and scope of strategic management – Strategic intent, vision, objectives and policies – Process of strategic planning and implementation – Environmental analysis and internal analysis – SWOT analysis – Tools and techniques for strategic analysis – Impact matrix – The experience curve – BCG matrix – Balanced Score Card - Du Pont's control model.

UNIT - XVI:

Research methodology and management information system - Research – meaning, scope and objectives-types of research – research design-Data collection and Tabulation – Questionnaire design – Scaling technique – sources of secondary data– Sampling – Probability – Correlation and Regression Analysis – Tests of Significance – Normal distribution, Chi-square, F and t tests, ANOVA, time series and forecasting decision theory, index numbers – Multi-Variant analysis, Factor analysis – Discriminate analysis – report writing – Types of Report – structure of the Report – Guidelines for Report writing . Conceptual foundations of information systems – Types of information systems - Element of information system – Data Vs. Information – information requirement at various levels – data processing – data base – Data Entry -Development and Management – Systems

analysis and design – Trends in information technology – Flexibility in information systems – User involvement – Evaluation of information systems – Security and ethical challenges.

Unit – XVII :

Algebra and Differential Equations - Groups: Groups – Sub groups – Normal subgroups and quotient subgroups – Homomorphisms – Automorphisms – Cayley's Theorem – Rings: Rings - Special class sub rings - Homomorphisms – Ideals and Quotient Rings – Vector Spaces: Basic Concepts – Linear Independent and Bases – Inner Product spaces – ODE: ODE with constant coefficients – ODE with variable coefficients – Higher order ODEs – PDE: First order PDE - Second order PDE – Elliptic, parabolic, and hyperbolic PDEs.

Unit – XVIII :

Analysis - Real Analysis: Properties of monotonic functions - Functions of bounded variations – Total variations – Additive property of total variation – Total variation on $[a,x]$ as a function of x - Continuous functions of bounded variations – Infinite Series: Absolute and conditional convergence – Dirichlet's test and Abel's test Rearrangement of series – Riemann's theorem on conditionally convergent series.– Complex Analysis: Differentiability and Cauchy-Riemann Equations – Harmonic Functions – Power Series as an Analytic Function – Complex Integrations – Cauchy Integral Formula – Morera's Theorem – Existence of Harmonic Conjugate – Taylor's Theorem – Conformal mappings – Functional Analysis: Metric Spaces – Convergence, completeness and Baire's Theorem - Continuous mappings - Space of continuous functions - Euclidean and Unitary spaces - Topological Spaces: Basis for a Topology – The Product Topology – The Metric Topology – Connected Spaces – Connected Subspaces of the Real Line – Components and Local Connectedness. Decision Making: Basic Statistics: Moments
– Mean – Variance – Standard deviations – Linear regression – Rank correlations – Attributes – Index Numbers. Linear Programming Problem: Graphical Methods – Travelling Salesman Problem – Assignment Problem – Simplex Methods.

Unit - XIX:

Anthropology, meaning scope and relationship with other disciplines particularly social sciences, humanities etc. Main branches, their scope, The nature of culture, The nature of society: concept of society, society and culture, social institutions, social stratification Marriage: Definition and universality, Family, Kinship, Economic organization: meaning, scope, and relevance of economic anthropology, Religion Research methods in Anthropology - Field work tradition in Anthropology - Distinction between techniques, methods, methodology - Tools of data collection, observation, interview, schedules, case study, genealogy etc.

Unit - XX:

Evolution of the Indian culture and civilization: Palaeolithic, Neolithic, Harrappan cultures; Tribal cultures of India, Brief ethnographic details of Tribes of Tamil Nadu. Caste system in India: Structure and characteristics, theories of origin of caste, Dominant caste. Indian village: Indian village as a social system, peasant cultures. Cultural change in Indian Society: Sanskritization, Westernization, Modernization, Post Modernism, Globalization ; Problems of the tribal communities a) poverty b) low literacy c) health Development of forest policy and Tribals Constitutional safe guards for ST/SC, Role of Anthropology in Tribal and Rural development. Demographic profile of India – Ethnic and Linguistic elements in the Indian population and their distribution. Gender issues in Tamil Nadu.

Annexure-IIA
For the post Research Assistant in Tamil Nadu Town and Country
Planning Department

SOCIOLOGY
PG DEGREE STANDARD

Subject Code: 368

UNIT-I: INTRODUCTION TO SOCIOLOGY

Definition and Meaning of Sociology, Basic concepts: Society, Community, Culture, Association, Socialization, Individual and Society, Environment and Heredity, Social Institutions: Family, Marriage, Education, Religion, Caste, Class, and Politics.

UNIT – II: SOCIAL PROCESSES, SOCIAL CHANGE, AND SOCIAL CONTROL

Associative and dissociative processes, Difference between Associative and dissociative processes. Features, causes, sources and impact of social change; Advancement of technology and media for social change, Theories of social change; Meaning, purposes, types, and agencies of social control.

UNIT-III: SOCIOLOGICAL THEORIES

Law of Three stages; Social Statics and dynamics, Positivism, Theory of Evolution, Organic Analogy, Social Darwinism, Social facts, Suicide, Division of labour. Social action, ideal types, bureaucracy and *The Protestant Ethic and the Spirit of Capitalism*, Historical materialism, Social Change, Class struggle, alienation. Social structure, Social personality, Structuration and modernisation, deconstruction.

UNIT-IV: RURAL AND URBAN SOCIOLOGY

Rural: Rural - urban contrast. Characteristics of Rural society. Agrarian class structure. Panchayatraj system. Rural development programmes. Rural industries and Rural Entrepreneurs. Skill development of rural entrepreneurs.

Urban: Meaning, Characteristics of urbanisation and its impact. Ecological processes. Urban sociological theories- Karl Marx, Ferdinand Tonnies, Georg Simmel, Max Weber, Robert Park, Louis Wirth and Ernest Burgess, Homer Hoyt, Harris and Ullman.

UNIT-V: SOCIOLOGY OF SOCIALLY EXCLUDED

Social exclusion- meaning, definition, features; Groups at the risk of being excluded; Three paradigms of social exclusion (solidarity, specialization and monopoly); Agents, forces, and Processes - globalization, international organizations, nation states, elites, excluded groups and individuals. The culture of marginalised communities - SC, ST, Nomadic Castes and Tribes and De-notified Tribes, transgender, religious minorities, differently abled, aged, HIV/AIDS.

Constitutional Provisions, Implementation, and Impact on Marginalized.

UNIT – VI CONTRIBUTION OF INDIAN SOCIAL REFORMERS

Contributions of Mahatma Gandhi, Bharathiar, EVR Periyar, Anne Besant, Raja Ram Mohan Rai, Jyotiba Phule, Savitriba Phule, Muthulakshmi, Ambedkar, Mother Teresa.

UNIT-VII: CHILDREN WITH DIFFICULT CIRCUMSTANCES

Sex preference, Female Infanticide, Girl child, Neglected, Orphan, Abandoned, Street Children, Child Abuse, Child Trafficking, Child Prostitution, Child Beggary, Child Labour, Children with Disabilities (Cwd), Child Marriage.

UNIT-VIII: Constitutional Privileges towards Children

Children Related Policies and Acts: Constitutional Provisions for Children in India; Children in Five Year Plans; National Policy for Children (1974 and 2013); Development and Features of Legislations - Child Care and Protection in India; National policy for children – Salient features, priority areas and gaps. Current policies and trends - Child Welfare; Children Acts – JJ Act, Protection of Children, from Sexual Offences Act (POCSO), 2012, Child Labour (Abolition and Prohibition) Act 1986 , The Prohibition of Child Marriage Act 2006 – Bonded Labour (Abolition) Act 1976, and other relevant acts.

UNIT-IX: AFFIRMATIVE ACTIONS FOR CHILD WELFARE

Institutional services:- *Short-stay homes for needy children from vulnerable sections of the society. Residential facilities for the destitute children. Foster home. Facilities/services for placement of children of unmarried mothers, Juvenile homes.*

Non- Institutional services:- Anganawadi, Day-care centers, Crèches, Child Guidance centers, Services through nursery/primary school, **Services for children in need of special care** - Schools for mentally retarded children. Schools for blind, deaf and dumb and physically handicapped. Adoption services for destitute children

UNIT-X: CHILDREN AND STAKEHOLDERS

Children Stakeholders: Ministry of Women and Child Development: Roles and Functions - Central and State Level Commission for Protection of Child Rights in India; Roles and Functions National Institute of Public Cooperation and Child Development; Powers and functions of Directorate of Social Defence and District Child Protection Office; Roles and Functions of Civil Society and civil society organisations

SOCIAL WORK
P.G DEGREE STANDARD

SUBJECTCODE: 370

UNIT-I: SOCIAL WORK PROFESSION

Definition and meaning; historical evolution of Social Work – UK, USA and India; Growth of Social Work as a Profession; Social Work concepts, methods, fields; international and national professional bodies/ forums; status and problems of the profession in India.

Social Work ideologies: socialism, marxism, equality, equity, social justice and humanitarianism; Indian socio-cultural and religious thought, social reforms purusharthas; Gandhian Social Work; contributions of religions Hinduism, Buddhism, Jainism, Islam and Christianity; Rights based approach.

Philosophy of Social Work Profession – values, beliefs, principles and code of ethics; Social Work theories; International Social Work – basic concepts, Global Agenda and Global standards for practice; Human Rights and Social Work; Constitutional safeguards; India as a welfare state; role and contributions of voluntary organizations, INGOs, NGOs and CSOs.

UNIT-II: FUNDAMENTALS OF SOCIOLOGY AND PSYCHOLOGY

Sociology: Definition, meaning, scope and relevance to social work; basic sociological concepts: Society-meaning, definition and types, structure, features; social institutions; concept of social system and sub system, classification of social systems, culture: concept, characteristics, social stratification, social processes-social control, social change in India, social movements, crime and delinquency; social problems-poverty, inequality, casteism, causes and consequences.

Psychology: Definition, meaning and scope, Psychology and Social Work; lifespan, phases of human growth and development, (Erik Erikson and Freud) needs, tasks and challenges, influence of hereditary and environment; psychological processes for understanding behaviour, intelligence, sensation, emotions, learning, memory, attitudes, behaviour, perceptions and prejudices; life events and their impact on behaviour.

UNIT-III: DIRECT METHODS OF SOCIAL WORK PRACTICE-I

Social Case Work: Historical development, CW as a direct method of Social Work, definition and meaning, philosophy, values, principles, skills, components of social case work, case work relationship; empathy, skills in building relationship, transference and counter transference; difference between casework, counseling and psychotherapy for different target groups, the helping process, approaches: Skills-referrals, interview, observation, collateral contact; types of recording, application of CW in various settings; limitations of the method.

Social Group Work: Definition of group, types, and characteristics of groups; Historical development of GW as a direct method in Social Work, definition and meaning, purpose, objectives, values, skills, principles of GW, phases of group work process-group processes and dynamics-stages in group development, the influence of new comers on group processes, isolation, rejection in groups, group-bond, subgroups, clique, dyad, triad, group norms, group membership, group

cohesiveness, group pressure, group morale, leadership, team building, decision making, problem solving, conflict management, communication; role clarity in a group; use of sociometry; Group Work models; social goals model, remedial model, reciprocal model, Application in various settings; types of recording in Group Work.

UNIT-IV: DIRECT METHODS OF SOCIAL WORK PRACTICE-II

Community Organisation: Definition, philosophy, principles, goals, scope of CO; community as a social system; subsystems; types and characteristics community power structure, community dynamics, evolution of CO as a direct method in social work, community organization models: Rothmansocial planning, locality development and social action; Murray Ross-general content, specific content and process objective; process and skills in community organisation.

Social Action: Concept, definition, aims and objectives, scope, social action as a method in social work, paradigm of five elements: causes, change agent, change target, change channels, change strategy, strategies and tactics for social action: channels topology; skills of a social activist, models and approaches to social action: Paulo Freire- Martin Luther King ,Saul Alinsky, social action movements in India- Narmada Bachao Andolan, Chipko movement, Dalit movements, women's movements, Contemporary Social Reforms movement

UNIT-V: INDIRECT METHODS OF SOCIAL WORK PRACTICE-I

Social Work Research: Definition, objectives, scope, characteristics and functions- scientific method, concepts, variables, types of research, research as an indirect method of social work, qualitative methods – case study, Ethnography, Grounded, Theory, Content Analysis, Narrative, SWOC; quantitative research Methods-Tools and techniques in qualitative data collection: Observation, focus group discussion, unstructured in-depth Interview; iteration, triangulation and saturation. Mixed Methods: problem formulation: formulation of hypotheses; typology of research designs; ethical issues; sampling: definition, types, techniques: probability and nonprobability sampling; sampling errors; data sources; types of data-nominal, ordinal, discrete numeric, continuous, sources of data; methods, tools and techniques of data collection, classification and coding, tabulation, analysis and interpretation-research reporting.

Statistics: Meaning, definition, limitations and uses- frequency distribution construction of frequency tables-diagrammatic and graphical representation; measures of central tendency – mean, median, mode, measures of dispersion-standard deviation, variance, quartile range, measures of correlation and regression; tests of significance: hypothesis testing; Type I & Type II errors, Level of confidence, degrees of freedom Chi square, 't' test, reliability and validity methods; Scales: Rating scales, Attitude scales-Likert, Thurston, Guttman; using software for data analysis;

UNIT-VI: INDIRECT METHODS OF SOCIAL WORK PRACTICE-II

Social Work Administration: Concept, definition, characteristics, Social work Administration as an indirect method of Social work; Organizational structure, boards and committees: executive: functions and qualities - administrative process: policy formation, planning, decision making, coordination,

communication; Human Resource Management: selection of staff, orientation, placement, service conditions, promotions, discipline, welfare programmes for staff-financial administration: budgeting, accounting, bookkeeping and fund-raising-office administration: office management and maintenance of records-supervision, evaluation and public relations; Central Social Welfare Board, State Social Welfare Board, Nehru Yuvak Kendra, Ministry of Social Defence Department of Social Welfare; Role of Voluntary Agencies, Board, Trustee, Committees, Executives –Roles and Functions; Laws related to NGOs; Registration of organizations: Tamil Nadu Societies Registration Act 1975, Trust Act 2001, Foreign Contribution (Regulation) Act 1976, Tax Exemptions and Foreign grants; Role and contribution of international funding organizations; Project and Project Cycle Management; Project Proposal Writing, Overview of Logical Framework Analysis; Types and Steps, Format; Fund-Raising (Types, Methods, Skills); Monitoring and Evaluation of Projects.

UNIT-VII: SPECIALIZATION IN HEALTH CARE AND SOCIAL WORK

Health-definition and concept; Healthcare approaches: patient as a person, psychosomatic approach, holistic approach. Problem assessment process: Rehabilitation, definition, types and principles, levels-prevention, promotion and tertiary; rehabilitation therapies; gender dimensions in disability, rehabilitation in various settings – UN convention on the rights of persons with disabilities; policies and programmes; Community –Based Rehabilitation.

Community health; definition, health indicators, disease, sickness/illness, definition of public health, changing concepts, primary healthcare: preventive, curative and social medicine. wellbeing, HDI; Communicable and non-communicable diseases: causes, prevention and treatment, Primary Health Care; Health Education; Skills of Social Worker in healthcare.

Concept of mental health; magnitude of mental health problems, changing trends in mental healthcare; psychiatric assessment: common mental disorders (as per ICD 10); mental health and Well Being; definition,

history and scope of psychiatric social work, changing perspectives of psychiatric social work, application of methods in psychiatric settings-theory and models; psychoanalytical, psycho social, transactional analysis, family therapy, crisis intervention, behaviour therapy, rational emotive therapy, group therapy & strengths based approach; counselling: definition, principles, goals, approaches and techniques- CBR and Community Mental Health, Mental Health Act 2018.

UNIT-VIII: SPECIALIZATION IN RURAL AND URBAN COMMUNITY DEVELOPMENT

Rural Community development: definition, philosophy, objectives, scope; history of RCD; Rural development: need and importance, approaches, power structure, caste and untouchability, poverty and indebtedness; land reform measures, Farm laws, agricultural laborers, marginal and small famers; water shed management;

Development Administration: Organization and administration of rural, tribal and urban development from block to National levels. Panchayat systems and local self-government in India; rural development programmes and policies; implementation strategies, PMERG, SUMCY, PMKVY tribal communities: Adivasis, Indigenous, aborigines; tribal social systems and structures; types, characteristics, tribal social systems and structures; belief systems, culture-indigenous vs. mainstream, Atrocities against SC/ST and Constitutional Provisions for the safeguard of SC/ST.

Urban Community development: definition, philosophy and objectives, history of UCD, scope; Slums: definition, causes, characteristics, functions, classification, approaches, theories and culture of slums; in and out migration, urbanization, urbanism: theories of urbanization, Unorganized/Informal sectors; urban services and urban deficiencies; 74th amendment and salient features of Nagarpalika Act; structure and functions of Urban Development Agencies: Urban Development Programmes: role of community development worker; rural, tribal and urban policies; tools and techniques for development practice; Application of social work methods in rural, tribal and urban communities, Role of CSR in Community Development.

Disaster: Definition, types, problems, Disaster Management and its process.

UNIT-IX: SPECIALIZATION IN FAMILY AND CHILD SOCIAL WORK

Family: Definition, concept, characteristics, types, functions, family patterns; marriage: forms, functions, changing situations in marriage, challenges, separation and divorce; assessment of family needs; laws on family and marriage;
Gerontology and Geriatric Care: Definition, Theories of Aging, Dimensions of Aging, disabilities; Interventions with older persons; Policies and programmes for senior citizens -NPOP and Maintenance and Welfare of Parents and Senior Citizens Act 2007, stress management of caregivers, Role of government and non-governmental services, institutional and non-institutional;, hospice & palliative care.

Youth: Definition, demographic profile; Youth Policy–2014; needs of youth; impact of westernization, modernization, urbanization and globalization; problems of youth; programmes for rural/urban youth, career counselling, Organisations and Movements in India.

Women: Sex and gender, gender identity; gender stratification; sex ratio in India; feminism: concept, meaning and definition and types; empowerment: concept, definition, types; GDI, GEM; Constitutional provisions and protective laws for women; special initiatives and programmes for women, national and state commissions;

Convention on elimination of all forms of discrimination against women and girls (CEDAW) 1982, micro finance and self-help groups (SHGs), challenges of Indian women Status of Women in India, Problems of Women, Cyber Security.

Children: Demography; Constitutional safeguards; UNCRC, Post 2015 Development Agenda; Common Problems of Children-School Dropouts, Truancy, street children, child labour, child abuse, child trafficking, child prostitution, Child marriage, Teenage Pregnancy, Children and Gaming Addiction, Social Media and related problems, disabled children, the girl child; Child services: mechanisms, National commission for protection of child rights/ State commission for protection

of child rights, District Child protection Unit; Legislations for Protection of Children- POCSO, JJ Act, Information Technology Act-2000; Approaches: Adoption – sponsorship and foster care, Institutional Care; application of Social work methods in Family and Child setting.

UNIT-X: SPECIALIZATION IN INDUSTRIAL RELATIONS, LABOUR WELFARE AND SOCIAL WORK

Industrial Relations-Concept, characteristics, Industrial Relations at plant and shop floor level, Industrial conflicts: concepts of industrial peace; cause and consequence of industrial conflict, strikes and lock-outs; conflict resolution, mediation, conciliation: arbitration and adjudication; statutory and non-statutory machinery for prevention and settlement of disputes. Trade Unions: Trade unionism in India, role in Industrial relations.

Labour Welfare: Concept, definition, philosophies, need, objectives, principles, scope and limitations of labour welfare; Historical development of labour welfare in India. Statutory and Non-Statutory Welfare Provisions: Industrial Counseling- Pre-retirement, Quality of work life. Social security, social security measures; Standardization, Wage policy, Wage incentives, bonus and profit sharing. Collective Bargaining: Meaning, goal, phases, prerequisites, principles, strategies and negotiation skills, factors influencing collective bargaining, Role of Social worker in industrial setting.

HR System Concept and functions - HRM, HRD & HR; evolution, Asian trends; HRD system and sub-systems; elements, goals, importance of HRD in Industry; 360 Degree feedback; leadership and leadership development; mentors & modeling; Organizational commitment CSR in HR.

STATISTICS
(POST GRADUATE DEGREE STANDARD)

CODE: 410

Unit - I: Probability and Random Variables

Introduction to probability: Random experiments, sample space and events, definition of probability - classical, empirical and axiomatic approaches to probability; addition and multiplication theorem, conditional probability and Bayes' theorem. Random variables and distribution function, distribution function of a random vector - Mathematical expectation and conditional expectation Markov inequality - Chebyshev's inequality - Convergence in probability - Convergence in distributions - Weak and strong laws of large numbers - Central limit theorems (Lindeberg-Levy, Liapunov's and Lindeberg-Feller).

UNIT - II: Distribution Theory

Introduction to distributions: Marginal and conditional distributions - Generating functions: MGF, PGF and CGF - Characteristic functions. Discrete distributions: Binomial, Poisson, Negative binomial, uniform and Hyper geometric distribution. Continuous distributions: Uniform, Normal, Cauchy, Beta, Gamma, Exponential, Weibull, Pareto and Log-Normal. Sampling distributions: t , F and Chi-square distributions and their properties.

UNIT- III: Estimation Theory

Introduction to estimation theory: Consistency, unbiasedness, sufficiency, efficiency and completeness. Theorems and Inequalities: Cramer-Rao inequality, Chapman-Robbins inequality, Rao-Blackwell, Lehman-Scheffe, Neyman-Fisher factorization theorems with examples. Methods of Estimation: Methods of moments, maximum likelihood, minimum chi-square and least squares, Bayesian estimation (with examples) - Confidence intervals for large and small samples.

UNIT - IV: Testing of Hypothesis and Non-Parametric tests

Introduction to Testing of Hypothesis: Null and alternative hypotheses, simple and composite hypotheses, two type of errors - Critical region - Size and level of a test - Power function. Tests: Most powerful test, Neyman-Pearson lemma: UMP and unbiased tests - MLR property and its uses for construction of UMP test. Non-Parametric tests: Run test, Median test, Sign test, Mann-Whitney test, Wilcoxon test, Kolmogorov-Smirnov test (one and two sample test procedures), Kruskal-Wallis test and SPRT Test.

UNIT - V: Regression Analysis

Simple and Multiple regression models: Description of data model - Estimation and testing of hypothesis on regression coefficients - Adequacy measures - Predicted values and standard error - Evaluation of fit - Analysis of residuals. Multicollinearity and its effects on inference and forecasting - Selection of variables - Forward selection and backward elimination procedures (step-wise method). Introduction to Generalized Linear Models: Components of GLM - Logistic regression model - Fitting and interpretation.

UNIT – VI: Sampling Theory

Introduction to the theory of Sampling: Sampling designs – estimation procedures – properties of estimators – SRSWR and SRSWOR and their properties.

Systematic and Stratified Sampling methods, Ratio and Regression estimators, estimation under double sampling – Sampling and non-sampling errors – Cluster sampling – Two stage and Multistage sampling – Randomized response techniques - Sample survey organizations – CSO and NSO.

UNIT – VII: Design of Experiments

Contrasts: Linear and orthogonal contrasts – Linear models: Fixed, random and mixed effect models.

Principles of experimental designs – Construction and analysis of CRD, RBD, LSD, 2^n and 3^n factorial experiments - Partial and complete confounding – BIBD – PBIBD - Split plot design - Youden Square design – Lattice design.

UNIT – VIII: Statistical Quality Control (SQC)

Introduction to statistical process and product control: Control charts – Shewhart control charts for variables and attributes: X-bar, R, S, p, np, c and u charts – CUSUM charts – OC curve for control charts.

Acceptance sampling: Sampling inspection – AOQL, LTPD, producers' and consumers' risks - Single, double, multiple and sequential sampling plans for attributes and variables – OC, ASN, ATI and AOQ curves. Implementing six sigma – over view and implementations.

UNIT – IX: Time series and Index numbers

Concepts of time series, additive and multiplicative models, decomposition into components, determination of trend by free hand method, moving averages, fitting of mathematical curves, seasonal indices and the estimate of the variance for random components, autoregressive, moving averages and ARIMA models.

Definition, construction, interpretation and limitations of index numbers - Laspeyre's, Paasche's, Marshall-Edgeworth, Dorbish-Bowley, Fisher's index numbers and their comparisons for ideal index number - Construction for cost of living index and wholesale price index.

UNIT – X: Machine Learning Techniques through R and Python Languages

Overview of R Language – Defining the R project – Objects and data structures – Graphics using R language – Calculation of measures of central tendency, dispersion, correlation and fitting of regression lines (Linear and logistic).

Overview of Python Language – Regular expressions – Scientific libraries: Numpy, Scipy, Matplotlib and Pandas.

Machine Learning: Supervised learning – Classification (KNN and Naive Bayes) and Regression (Linear and Logistic) techniques – Unsupervised learning (Clustering methods).

**ECONOMICS
(PG Standard)**

Code: 411

UNIT - I

Theory of consumer behavior-Indifference curve analysis-Revealed preference theory-Hicks revision of Demand theory-Modern Utility Analysis of choices involving risk or Uncertainty- Neumann-Morgernstern –Friedman Savage and Morkowitz Hypothesis- Modern theory of the firm: Baumol's sales Maximisation model, Cyert and March model-Economics of information: Principles of information-Asymmetry, Adverse selection and moral hazard.

UNIT- II

Theory of cost and Production –Cobb Douglas ,CES ,Translog production function –Embodied and disembodied technical progress-Derivation cost function from production function-Price and Output determination under Oligopoly market-Advances in Distribution theory-Marginal productivity theory-Product Exhaustion theory –Theory of Distribution in imperfect product and factor market.

UNIT - III

General equilibrium analysis-Walrasian General equilibrium-Stoper - Samuelson theorem-Rybczynski theorem – Welfare Economics-Pareto optimal conditions-Social Welfare Maximization – Kaldor's compensation Principle-Arrow's Impossibility theorem- Second Best theorem-Rawl's theory of social justice-Input-Output analysis.

UNIT - IV

Measurement of Aggregate income, Expenditure and circular flow –Rules of computing GDP-Green GDP-Measurement of CPI –Measurement of unemployment -Kuznet's consumption puzzle-Fisher's inter-temporal choice model-Stock market and Tobin's 'Q' theory – Mundell-Fleming model-Fiscal and monetary policy operation under fixed and floating exchange rate regimes- New classical and New Keynesian Business cycle theories.

UNIT - V

Structural transformation and Economic Growth in India-Approaches to Economic development-Optimal growth, Steady-State equilibrium and inclusive Growth-Harrod Domar model- Balanced and Unbalanced Growth model-A.K Sen's Growth theory – Ambedkar's growth model-New Growth theory-Endogenous and Exogenous Growth Theories-Theory of Modernisation, Theory of Dependency, Theory of World System and Theory of Globalization.

UNIT - VI

Role of money in different economic systems-Fisher's Quantity theory of money-Don Patinkin's Real Balance effect-Keynesian Theory of money-

Baumol's approach-Tobin's theory- money supply - Creation of money and Creation of Credit-Role of RBI and commercial Banks-monetary policy-Role NBFIs.

UNIT - VII

Composition and Direction of Foreign trade-Basis of International Trade-Balance of payment Equilibrium and disequilibrium-BOP adjustment mechanism-Foreign Direct Investment-Terms of trade-Foreign Exchange rate determination-FERA-FEMA -GATT-WTO-TRIPS-TRIMS-International Financial Institutions ; IBRD-IMF-ADB-New International Economic Order(NIEO).

UNIT - VIII

Fiscal functions-Sources of Public revenue-Direct and Indirect taxes -GST-Public Expenditure-Growth and effects of Public expenditure-Public Debt and Debt Management-Financial administration-Fiscal federalism-Centre and State financial relation-Local finance-Fiscal policy-Compensatory fiscal policy and functional finance.

UNIT - IX

Economic Development-Leading issues in India and in Tamil Nadu-Human Development Index-Gender Related Human Development Index -Progress in Human Development in India-Multi-Dimensional poverty-Poverty and Growth-Reforms on Poverty-India's demographic transition-Population policy in India-Unemployment and employment perspective-Characteristics of Indian labour market-employment policy in India-Issues and problems of migrant labourers -Agriculture prospects and problems-Trends in Agricultural productivity-Green Revolution-Land reforms and effects-Second Green Revolution -Industrialisation in India-Performance of MSMEs-Large scale industries in India-New Industrial Policy of 1991-Rationalisation of Disinvestment-New Direction of policy on Public sector.

UNIT - X

Planning-Objectives and achievements at national and state level-Development Strategy in India-Failures of Five Year Plans in India- NITI AAYOG-Privatisation, Liberalisation and Globalisation in India- MNCs -Global financial crisis and its impact on Indian economy-Environmental degradation and sustainable development -Issues and Challenges.

GEOGRAPHY**POST GRADUATE DEGREE STANDARD****CODE : 412****UNIT-I : Geomorphology**

Origin and Evolution of Earth – Internal Structure of the Earth – Endogenic Process: Plate Tectonics, Earthquake, Volcanism, Exogenic Process: Weathering and Mass Wasting, Cycle of Erosion: W.M Davis, Penck, L.C. King, Erosional, Transportational and Depositional Process and Landforms : Fluvial, Glacial, Aeolian, Coastal and Karst, Applications of Geomorphology in Water Resource Management, Mineral Exploration and Landform Mapping from Satellite Imageries.

UNIT –II : Climatology

Atmosphere, Origin, Structure and Composition, Heat Budget, General Circulation of Atmosphere, Atmospheric Stability: Distribution of Temperature and Pressure, Wind: Factors and Types, Humidity, Cloud and Precipitation - Cyclones, Anticyclone and Tornado, Climatic Classification: Schemes of Koppen and Thornthwaite, Significance of Indian Climatic types and Agro Climatic Planning, Application of Remote Sensing in Climatic Data Analysis and Weather Forecasting.

UNIT –III : Oceanography and Hydrology

Ocean Relief Features, Sub-Marine Morphology of Atlantic, Pacific and Indian Ocean, Temperature, Salinity, Waves, Tides and Currents, Ocean Deposits and Coral Reefs - Marine Resource Potential of India and Coastal Zone Management Practices in India, Hydrological Cycle - Significance and Water Balance, Ground Water: Aquifer – Aquifer Types – Ground Water Level – Ground Water Authority and Ground Water Recharge.

UNIT – IV : Geography of Resources

Resources: Classification, Distribution and Production of Paddy, Wheat, Sugarcane, Cotton, Tea, Coffee, Oil seeds and Millets, Major Producers of the World, Cattle, Sheep, Poultry and Fishing, Mineral Distribution and Production: Iron Ore, Copper, Bauxite, Hydro Carbon and Atomic Minerals, Location Factors and Distribution of Industries: Automobile, Electrical and Electronics, Software and Pharmaceutical, Transport: Surface, Water and Air, Major Industrial Corridors of World and Trade: Trade Policy – Trade Balance – Export Processing Zones.

UNIT –V : Biogeography

Eco System: Components, Food Chain, Food Web, Tropic Level, Ecological Winds and Ecotones, Genesis of Soils, Classification and Distribution of World Soil, Major Soil Types of World: Problems and Management, Floral and Faunal

Regions, Major Biomes of the World, Endangered Species and Conservation Measures, Biodiversity and Sustainable Development.

UNIT - VI : Population and Settlement Geography

Growth and Distribution of World Population – Demographic Attributes, Causes and Consequences of Migration – Concepts of Over, Under and Optimum Population – World Population Problems and Policies – Social well being, Health Indicators and Quality of Life – Sources of Population Data – Types and Patterns of Rural and Urban Settlements – Concept of Primate City and Rank – Size Rule – Rural – Urban Fringe – Slums – Satellite Towns, Problems and Remedies of Urbanization and Smart Cities.

UNIT - VII : Geospatial Technology

Cartography: Geoid, Projection, Polyconic – UTM (Universal Transverse Mercator), Maps: Map Types, Generalization, Symbolization and Design, Remote sensing: Types of Satellites, Resolution: Spatial, Spectral, Radiometric and Temporal, Digital Image Processing: Geometric and Radiometric Corrections, Enhancement, Image Classification, GIS: Components, Spatial and Non-Spatial Data, Data Models: Raster, Vector and TIN (Triangular Irregular Network). Analysis: Attribute, Object, Layer, GNSS (Global Navigational Satellite System): Components: Space and Control Segment, Major Global and Regional Systems – IRNSS (Indian Regional Navigation Satellite System), Geospatial Data Source: Survey of India OSM (Open Series Maps), Spatial Data Products: Bhuvan Portal, Watershed Atlas, Bhukosh (GSI), NSDI (National Spatial Data Infrastructure), TNGIS (Tamil Nadu Geographical Information System) and National Geospatial Policy of India.

UNIT - VIII : Regional Development and Planning

Region: Concepts – Regionalization – Classifications – Growth Pole Model – Regional Imbalances – Regional Development Strategies: Command Area – Watershed – Drought – Hill Area – Backward Area and Tribal Area Development Programme, Central and State Schemes for Planning and Regional Development and Geopolitical Significance of India in Regional Development.

UNIT - IX : Quantitative Techniques and Models in Geography

Geographic Data Sources: Demographic Data – Census – NFHS (National Family Health Survey) – Population Register – National Sample Survey Data – G-Return – NIC (National Information Centre), IMD (Indian Metrological Department), PWD (Public Works Department), State and Central Disaster Authorities – NDMA (National Disaster Management Authority) and SDMA (State Disaster Management Authority), Analysis: Regression – Correlation – Factor – Hierarchical – Location, Allocation – Interpolation – Network –

Centrophobic – Nearest Neighbour and Cluster, Models: Gravity Model for Migration, Central Place Theory for Urban and Locational Theory for Industries.

UNIT - X : Geography of India and Tamil Nadu

Major Physical Divisions, Drainage, Climate, Soil, Natural Vegetations and Animals, Major Industrial Corridors and Trade Centers, Energy Resources: Conventional and Non-Conventional, Distribution and Utilization, Ground and Surface Water Potential, Utilization, Inter Basin Water Transfer and Agricultural Regions of India, Geospatial Appraisal of Health Care, Public Distribution Services, Education and Transport Network and Human Development Index.

MATHEMATICS
(POST GRADUATE DEGREE STANDARD)

CODE: 413

UNIT - I. ALGEBRA

Groups - Subgroups - Normal subgroups - homomorphisms - Isomorphism - Cayley's theorem - Cauchy's theorem - Sylow's theorem - Finite abelian groups - Rings - Euclidean rings - Polynomial rings - Polynomial over the rational field - Polynomials over Commutative rings - Division rings - Frobenius theorem. Field: Finite fields - Wedderburn's theorem, Extension Fields - Roots of Polynomials - Elements of Galois theory - Solvability of radicals - Linear Transformations: Canonical forms - Nilpotent transformations

UNIT - II REAL ANALYSIS

Limit, Continuity, types of discontinuities, infinite limits, function of bounded variation, metric spaces. Riemann Integral - Fundamental theorem of calculus - mean value theorem. Riemann - Stieltjes Integral, Infinite series and infinite products, sequences of functions, Fourier series and Fourier Integrals. Outer measure, measurable sets and Lebesgue measures, measurable functions. Littlewood's three principles. Lebesgue Integral of bounded function over a set of finite measure. Integration of a non negative function. General Lebesgue Integral.

UNIT - III COMPLEX ANALYSIS

Local properties of analytic functions - Removable singularities Taylor's theorem - Zeros and poles, local mapping - maximum principle - Harmonic functions - Definitions & basic properties - mean value property - Poisson's formula - Schwarz's theorem - reflection principle - power series expansions - Weierstrass's theorem - Taylor's series, Laurent's series.

UNIT - IV TOPOLOGY

Topological spaces & continuous functions, metric topology, Connectedness, compactness, countability and separation axiom, Fundamental group and covering spaces.

UNIT - V FUNCTIONAL ANALYSIS:-

Fundamentals of normed Linear spaces, bounded Linear maps on Banach spaces, open mapping theorem, converse of Riemann - Lebesgue Lemma, spaces of bounded linear maps, weak and weak convergence, compact linear maps, geometry of Hilbert space, Approximation and optimisation, Bounded operators of Hilbert spaces, spectrum of bounded operators on Hilbert spaces.

UNIT- VI DIFFERENTIAL EQUATIONS:-

Linear differential equations of higher order - Linear dependence and Wronskian basic theory - solutions in power series - Introduction to second order linear equations with ordinary points. Legendre equations

and Legendre polynomial, Second order equations with regular singular points, Bessel equations. Partial differential equations; first order, complete Integral, general Integral, singular Integral, Compatible systems of first order equation, Charpit's method. Partial differential equations of second order - Linear and partial equations with constant coefficients Laplace equation - Elementary solutions of Laplace equation.

UNIT - VII DIFFERENTIAL GEOMETRY

Curves, analytic representation, arc length, tangent, osculating plane, Curvature, torsion, formula of Frenet, Contact, natural equations, helices, involutes & evolutes, Elementary theory of surfaces - Analytic representation - first & second fundamental forms, normal - tangent form, developable surfaces, Euler's theorem, Dupin's indicatrices - Conjugate directions, Triply orthogonal system of surface

Fundamental Equations: Gauss, Gauss - Weingarten, Codazzi, Curvilinear, Co-ordinates in space. Geodesics on surfaces Geodesic curvature, Geodesics, Geodesic Coordinates, surfaces of constant curvature, rotation of surfaces of constant curve.

UNIT - VIII MECHANICS AND FLUID DYNAMICS:-

STATICS:- Equilibrium of a system of particles, work and potential energy, friction, common tenets principles of virtual work - stability of equilibrium of forces in three dimensions. DYNAMICS:- Rectilinear motion - motion with constant acceleration motion under gravity - motion along an inclined plane - motion under gravity in a resisting medium Impulsive forces & Impact, Principles of Conservation of Linear momentum, Collision of two smooth spheres - Direct Impact of sphere on a fixed plane - Projectiles - Circular motion of a particle, Central orbits, moment of inertia, motions of a rigid body about a fixed axis - K.E. of rotation - moment of momentum - motion of a circular disc - hoop or a sphere rolling down an inclined plane. Compressible flow; effects of compressibility, Linearized theory, thermodynamical consideration, energy equation, plane shock waves, oblique shockwaves, Prandtl-Meyer expansion - Navier-Stokes equation - dissipation of energy - diffusion of vorticity condition of no slip - steady flow between concentric rotating cylinder - steady viscous flow in tubes of uniform cross section - uniqueness theorem.

UNIT IX PROBABILITY & MATHEMATICAL STATISTICS: -

Probability of an event, Bayes's theorem, - Random Variables Discrete & continuous distributions - Expected values & functions. Moment generating function and Characteristic functions - Chebyshev's inequality statements of uniqueness theorem & inverse theorems on characteristic functions.

STANDARD DISTRIBUTIONS:

Binomial, Poisson, normal & uniform Sampling distribution of Statistics based on normal distribution - Chi square concept of bivariate distributions, Correlation and regression, Linear prediction, rank

Correlation Coefficient, Partial & multiple Correlation. Sample moments & their functions. Notion of sample - statistic - Chi square - distribution, t, Fisher's distributions - distribution of regression coefficients.

SIGNIFICANT TESTS:

Concepts - parametric tests for small & large samples - Chi-square test
- test of Independence by contingency table - theory of hypothesis testing
- Power function
- Most powerful tests - Uniformly most powerful test - unbiased tests.

UNIT - X OPERATIONS RESEARCH

Origin & Development of operation's research, Nature & Characteristics of O.R. Models in O.R. General Solution methods for O.R. models, uses and limitations of O.R.

LINEAR PROGRAMMING: Formulation of problem, graphical solutions, standard form. Definition of basic solution, degenerate solution, simplex method, Definition of artificial variable. TRANSPORTATION PROBLEM: Definition, solutions to transportation problem - initial feasible solution - optimal test - Degeneracy - Travelling salesman problem.

ASSIGNMENT PROBLEM: Hungarian Method

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, வழுவ்ச் 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 / விணைமுற்று, விணையெச்சம், விணையாலணையும் பெயர், தொழிற்பெயரை / உருவாக்கல்.
10. அகரவரிசைப்படி சொற்களை சீர் செய்தல்.
11. சொற்களை ஒழுங்குப்படுத்தி சொற்றொடராக்குதல்.
12. இரு விணைகளின் பொருள் வேறுபாடு அறிதல்.
(எ.கா.) குவிந்து-குவித்து
13. விடைக்கேற்ற வினாவைத் தேர்ந்தெடுத்தல்.
14. எவ்வகை வாக்கியம் எனக் கண்டெழுதுதல் - தன்விணை, பிறவிணை, செய்விணை, செயப்பாட்டு விணை 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. நிறுத்தற் குறிகளை அறிதல்.
21. பேச்சுவழக்கு, எழுத்துவழக்கு (வாரான் - 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.

PAPER – II – Part - B
GENERAL STUDIES (DEGREE STANDARD)
(Code No. 003)
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 Abul Kalam Azad, Thanthai Periyar, Rajaji, Subash Chandra Bose, Rabindranath Tagore and others.
- (ii) Different modes of Agitation: Growth of Satyagraha and Militant Movements.
- (iii) Communalism and Partition.

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

- (i) History of Tamil Society, related Archaeological discoveries, Tamil Literature from Sangam Age till contemporary times.
- (ii) Thirukkural : (a) Significance as a Secular Literature
(b) Relevance to Everyday Life
(c) Impact of Thirukkural on Humanity
(d) Thirukkural and Universal Values - Equality, Humanism, etc
(e) Relevance to Socio - Politico - Economic affairs
(f) Philosophical content in Thirukkural
- (iii) Role of Tamil Nadu in freedom struggle - Early agitations against British Rule - Role of women in freedom struggle.
- (iv) Evolution of 19th and 20th Century Socio-Political Movements in Tamil Nadu - Justice Party, Growth of Rationalism - Self Respect Movement, Dravidian Movement and Principles underlying both these Movements, Contributions of Thanthai Periyar and Perarignar Anna.

UNIT-IX: Development Administration in Tamil Nadu

- (i) Human Development Indicators in Tamil Nadu and a comparative assessment across the Country – Impact of Social Reform Movements in the Socio - Economic Development of Tamil Nadu.
- (ii) Political parties and Welfare schemes for various sections of people – Rationale behind Reservation Policy and access to Social Resources - Economic trends in Tamil Nadu – Role and impact of social welfare schemes in the Socio - Economic Development of Tamil Nadu.
- (iii) Social Justice and Social Harmony as the Cornerstones of Socio-Economic Development.
- (iv) Education and Health Systems in Tamil Nadu.
- (v) Geography of Tamil Nadu and its impact on Economic growth.
- (vi) Achievements of Tamil Nadu in various fields.
- (vii) e-Governance in Tamil Nadu.

UNIT-X: APTITUDE AND MENTAL ABILITY

- (i) Simplification – Percentage - Highest Common Factor (HCF) - Lowest Common Multiple (LCM).
- (ii) Ratio and Proportion.
- (iii) Simple interest - Compound interest - Area - Volume - Time and Work.
- (iv) Logical Reasoning - Puzzles-Dice - Visual Reasoning - Alpha numeric Reasoning – Number Series.

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

1.	SSLC Mark Sheet
2.	HSC Mark Sheet / Diploma Certificate
3.	<p><u>Educational qualification:</u> U.G. Degree / P.G. Degree / IPG Degree certificate / Consolidated Mark Sheet. (As mentioned in Para 4(B) of Notification No. 13/2023, dated 26.06.2023)</p> <p>Note: If the issue date of provisional certificate / P.G Degree Certificate falls after the date of notification (i.e.23.06.2023) candidates should upload evidence for having acquired the prescribed qualification on or before the date of Notification, failing which their applications will be rejected.</p>
4.	G.O. for Equivalence of Qualification to the prescribed qualification (if applicable) Evidence for course duration
5.	PSTM certificate up to prescribed educational qualification of entire duration (if applicable)
6.	Community Certificate from Competent authority (In case of women candidates, mentioning father name).
7.	Differently Abled Certificate obtained from the Competent Authority
8.	Ex-Servicemen Certificate (if applicable)
9.	<p>Exemption for Tamil Eligibility Test (if applicable)</p> <ul style="list-style-type: none"> • Request for Scribe Assistant • Disability Certificate as prescribed in G.O. (Ms) No.08, Welfare of Differently Persons (DAP – 3.2) Department, dated:21.09.2021. Model format enclosed with Appendix of this Notification.
10.	Destitute Widow Certificate (if applicable)
11.	Transgender Identity Card with gender(if applicable)
12.	Gazetted copy for name change (if applicable)
13.	No Objection Certificate (if applicable)
14.	Documents / Court Orders proving Acquittal / Conviction or FIR in case of pending cases for Criminal cases registered (if applicable)
15.	Experience Certificate for the Post of Research Assistant in Statistics as mentioned in Annexure V of the Notification.
16.	A passport size photo.
17.	Other Documents (if any)

Important Note:

1. As per para 13 (I) of Instruction's to Applicants, dated: 22.03.2022, documents uploaded must be in Tamil or English or both. Candidates possessing certificates / documents in languages other than Tamil or English shall obtain and upload a translated version of the said certificate(s) / document(s) in Tamil or English, attested by the authority who originally issued the certificate / document. Uploading of documents issued in languages other than Tamil or English shall result in the rejection of candidature after due process.
2. Any certificates / documents are found blank or illegible, the applicant should upload afresh within stipulated time limit. Failing which their online application shall be rejected.

ANNEXURE-IV

CERTIFICATE OF PHYSICAL FITNESS BY

A SINGLE MEDICAL OFFICER
THE CIVIL MEDICAL BOARD

Signature of Candidate _____

I/We do 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 of 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 Small Pox / Vaccination.

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

Height in ft.

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:

Member (I)

(II)

STATION:

DATE:

STATION:

DATE:

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 birth place:
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, where your last vaccinated
5. Have you or any of your near relations been afflicted with consumption, serrefula 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 particulars concerning your family:

Father's age, if living and state of health	Father's age at death and cause of death	No. of brothers living, their ages, state of health	No. of brothers dead, their ages at and cause of death
(1)	(2)	(3)	(4)

Mother's age, if living and state of health	Mother's age at death and cause of death	No. of Sisters living, their ages and state of health	No. of Sisters dead, their ages at and cause of death
(1)	(2)	(3)	(4)

I declare 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 willfully 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.

ANNEXURE- V**FORMAT OF EXPERIENCE CERTIFICATE**

1. Name and Address of the Institution / Organisation :
2. Whether the said Institution / Organisation is a recognized/registered one? :
3. Registration Number of Institution / Organisation if any :
4. Name of the Employee, Employee ID with Date of Birth :
5. Qualification possessed by the Employee on the Date of Joining Service in the above said Institution / Organisation :
6. Designation and period of Experience of the Employee :
7. *Nature of the Work/Duty performed by the Employee (To be mentioned in brief) :
8. Whether the Employee possesses experience as per laid in the Notification : Yes / No
9. Whether Attendance Register / Attendance Rolls / Pay Register, Pay Disbursement Register and other records /available for this Employee : Yes / No
10. Certificate from the Institution / Organisation : The above said employee is having experience in this Institution / Organisation as stated above. The above particulars furnished by us are correct

Office Seal:

Date:

Place:

Signature.

Name and Designation of the issuing Authority.

Note:

Institution / Organisation which issues the certificate is cautioned that issuing of any certificate containing false details will lead to legal / penal action on them.

ANNEXURE -VI**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 owing to his/her disability.

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

1. Exemption from tamil / second language.
2. Extra _____ hours for writing theory exam.
3. Allocation of a scribe.
4. Over looking spelling mistakes and grammatical errors.
5. Using calculator / assistive devices.
6. _____ (any other assistive devices or concessions).

*strike out the not applicable.

Signature

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

Name & Designation

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

Place:

Date:

Signature / Thumb impression
of the Differently abled person

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

Note:

Certificate should be given by a specialist of the relevant stream/ disability

(eg, Visual impairment – Ophthalmologist, Locomotor disability – Orthopedic specialist/ PMR
.etc)



சுருக்கம்

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

மனிதவள மேலாண்மை (எம்)த் துறை

அரசாணை (நிலை) எண்.49

நாள்: 23.05.2022

சுபகிருது வருடம், வைகாசி - 09,

திருவள்ளூர் 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

ஆணை :

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 தமிழ்மொழித் 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

(கு.பி.பா.)

/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 தமிழ்மொழித் 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 தமிழ்மொழித் தகுதித் தாளினை எழுதுவதிலிருந்து மாற்றுத் திறனாளிகளுக்கு விலக்களிக்கப்படுகிறது.
- (ஆ) தமிழ்நாடு அரசுப் பணியாளர் தேர்வாணையத்தால், நடத்தப்படும் தொகுதி-III, IV, VII-B, VIII, போன்ற ஒரே நிலை கொண்ட தேர்வுகளில் தமிழ் மொழித்தாளானது, தகுதி மற்றும் மதிப்பீட்டுத் தேர்வாக (Tamil Eligibility-cum-Scoring Test) நடத்தப்படுகிறது. இத்தேர்வுகளில், Board / University-ல் ஆங்கில மொழிப் பாடம் மட்டுமே படித்த மாற்றுத்திறனாளிகளுக்கு, தமிழ் மொழித்தாள் எழுதுவதிலிருந்து விலக்களிக்கப்படுகிறது. அதற்குபதில், ranking மதிப்பீடு செய்வதற்காக, அவர்களுக்கென்று தனியாக பொது ஆங்கிலத்தேர்வு (SSLC standard-ல்) நடத்தப்படும். (இத்தேர்வுகளில் மொழி பெயர்ப்புப்பகுதி இடம் பெறாது).
- (இ) அரசாணை (நிலை) எண்.133, மனிதவள மேலாண்மை (எம்) துறை, நாள் 01.12.2021-ல் ஆணையிடப்பட்டுள்ள கட்டாய தமிழ் மொழித் தாளிலிருந்து மாற்றுத்திறனாளிகளுக்கான விலக்கு, தமிழ்நாடு அரசுப் பணியாளர் தேர்வாணையம் மட்டுமல்லாமல், மாநிலத்தின் மற்ற தெரிவு முகமைகளால் நடத்தப்படும் அனைத்து போட்டித் தேர்வுகளுக்கும் மற்றும் நியமன அலுவலர்களால் தேவைப்படும் நேர்வுகளில் நடத்தப்படும் எழுத்துத் தேர்வுகளுக்கும் பொருந்தும்.
- (ஈ) இவ்வாறான விலக்கு, அரசாணை (நிலை) எண்.62, பள்ளிக் கல்வித்துறை, நாள் 25.03.2022ல் குறிப்பிடப்பட்டுள்ள மாற்றுத் திறனாளிகளுக்குப்

/3/

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

(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 சதவிகிதத்திற்கும் குறைவான குறைபாடுகளைக் கொண்ட மாற்றுத்திறனாளிகளுக்கும் பொருந்தும்.

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

(ஆளுநரின் ஆணைப்படி)

மைதிலி கேராஜேந்திரன்
அரசு செயலாளர்

பெறுநர்

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

அரசுக் கட்டுதல் 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 குழுவும்,
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//


23/05/22
பிரிவு அலுவலர்

ANNEXURE – VII**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 - VIII**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	25.07.2023
2.	Online Application Correction Window period	From 31.07.2023 12.01 A.M To 02.08.2023 11.59 P.M
3.	Last date upto which the applicants are permitted to upload/ re-upload the documents	27.08.2023
4.	Publication of Examination Results	November 2023
5.	Certificate Verification / Oral Test	December 2023
6.	Counselling	December 2023

Secretary,