Applications are invited only through online mode up to **26.09.2018** for direct recruitment to the vacancies in the following post.

Individual communication regarding the date and time of Certificate Verification, Oral Test and Counselling will not be sent to the Candidates, the above details will be made available in the Commission's Website. Candidates will be informed of the above fact only through SMS and e-mail.

Name of the Post and Post Code	Name of the Service and Service Code.	No. of vacancies	Scale of Pay
Statistical Inspector (Code No.1697)	Tamil Nadu Animal Husbandry Subordinate Service (Code No.020)	**13**	**(Level – 18) Rs.36,900 - 1,16,600/-**

The number of vacancies is only approximate and is liable for modification including reduction with reference to vacancy position at any time before finalisation of selection.

It is mandatory for the 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 should apply online for this recruitment. [The One-Time Registration will be valid for 5 years from the date of registration. Thereafter, the registration should be renewed by paying the prescribed fee.]

2. DISTRIBUTION OF VACANCIES

The rule of reservation of appointment is applicable for this recruitment and the Distribution of vacancies is as follows :-

GT (G)	GT (W)	BC(OBCM) (G)	BC(OBCM) (W)	MBC/DC (G)	MBC/DC (G)(PSTM)	MBC/DC (W)	SC (G)	SC (G)(PSTM)	SC (W)	Grand Total
3	1	2	1	1	1	1	1	1	1	13

Abbreviation: GT – General Turn – G – General, W – Women; PSTM - Persons Studied in Tamil Medium; BC – Backward Class; OBCM – Other than Backward Class Muslim; MBC / DC - Most Backward Class / Denotified Community; SC - Scheduled Caste;

3. IMPORTANT DATES AND TIME

Date of Notification	**28.08.2018**	
Last date for submission of online application	**26.09.2018**	
Last date for payment of Examination Fee through Bank (State Bank of India or Indian Bank)	**28.09.2018**	
Date of Written Examination		
Paper – I (Subject Paper) (Degree Standard)	**24.11.2018 FN**	**10.00 A.M. to 01.00 P.M**
Paper – II (General Studies) (Degree Standard)	**24.11.2018 AN**	**02.30 P.M. to 04.30 P.M**

4. FEES

a)	**Registration Fee** For One-Time Registration (Revised with effect from 01.03.2017 vide G.O.(Ms).No.32, Personnel and Administrative Reforms (M) Department, dated 01.03.2017) **Note** Those who have registered in the One -Time registration system and paid the registration fee of Rs.150/- and received the registration ID need not pay the Registration fee i.e., Rs.150/- and it is enough to pay the examination fee alone.	Rs.150/-
b)	**Examination Fee** **Note** The Examination fee **should be paid** at the time of submitting the online application for this recruitment if they are not eligible for the fee concession noted below.	Rs.150/-

EXAMINATION FEE CONCESSION

Category	Concession	Condition
(i) Scheduled Castes / Scheduled Caste (Arunthathiyars), Scheduled Tribes	Full Exemption	--
(ii) Differently Abled Persons, Destitute Widow of all communities	Full Exemption	(i) For Differently Abled persons, the disability should be not less than 40%. (ii) For DWs, the DW certificate should have been obtained from the RDO / Sub Collector/ Assistant Collector
(iii) Most Backward Class / Denotified Communities, Backward Classes (Other than Muslim) Backward Class (Muslim)	Those who have not availed three free chances so far in the previous recruitments may avail exemption from payment of examination fee.	Should not have availed three free chances in the previous recruitments.
(iv) Ex-Servicemen	Those who have not availed two free chances so far in the previous recruitments may avail exemption from payment of examination fee.	(i) Should not have availed two free chances in the previous recruitments. (ii) Fee concession will not apply for those ex-servicemen who have already been recruited to any class or service or category.

Note :

(i) The three / two free chances referred to above are not for **EACH POST** but for **ANY THREE / TWO APPLICATIONS ONLY**. The claim for exemption from payment of examination fee made in any application which is rejected / admitted or withdrawn will be counted as a free chance availed.

(ii) Failure to pay the prescribed fee along with the application in-time, will result in the rejection of application.

(iii) The number of free chances availed by the applicant means, the total number of free chances hitherto availed by the applicant in his/her earlier applications submitted to the Commission for any post / recruitment.

(iv) If the examination fee concession claimed in the application is found to exceed the admissible limits, as announced above, the application **will be rejected at any stage of selection**. The number of free chances availed by the applicants will be counted from all the previous applications submitted through One Time Registration and / or submitted directly without One Time Registration.

[For further details regarding examination fee concession, refer to para. 12 of the "Instructions to Applicants"**].**

5. MODE OF PAYMENT OF EXAMINATION FEE

- Examination fee of Rs.150/- (Rupees One Hundred and Fifty only) is payable online through Net banking / Credit card / Debit card or it can be paid offline at SBI / Indian Bank within 2 days from the date of submission of online application, by choosing the option in the online application.

- Applicants have to register their basic particulars through One-Time Registration which is mandatory on payment of Rs.150/- (Rupees One Hundred and Fifty only) towards registration fee and then should apply online for this recruitment. The One-Time Registration will be valid for 5 years from the date of Registration. Thereafter, the registration should be renewed by paying the prescribed fee. Applicants who have already registered in One-Time Registration system by paying Rs.50/- before 01.03.2017 and having validity and those who have registered for One-Time Registration on or after 01.03.2017 by paying Rs.150/- towards One-Time Registration are exempted from paying the registration fee for this recruitment.

- Applicants have also to pay the service charges applicable to the State Bank of India / Indian Bank.

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

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

[For further details refer para 2 (13-23) of "Instructions to Applicants"**]**

6. QUALIFICATIONS

(A) AGE LIMIT (as on 01.07.2018)

Category of Applicants	Maximum Age
SCs, SC(A)s, STs, MBCs/DCs, BCs, BCMs and Destitute Widows of all castes	No Age limit
'Others' [i.e., Applicants not belonging to SCs, SC(A)s, STs, MBCs/DCs, BCs and BCMs]	30 years (should not have completed)

Note

Applicants not belonging to SC, SC(A), ST, MBC/DC, BC(OBCM), BCM who have put in five years and more of service in the State / Central Government are **not eligible** to apply even if they are within the age limit.

Explanation: - No maximum age limit shall mean that the applicants should not have completed 58 years of age either on the date of notification or at the time of selection/ appointment to the post.

[**For further details regarding Age limit refer para 5 of** "Instructions to Applicants"" **and Section 3(r) of** Tamil Nadu Government Servants (Conditions of Service) Act, 2016**]**

Age Concession

SCs, SC(A)s, STs, MBCs/DCs, BCs, BCMs		'Others' i.e. applicants not belonging to SCs, SC(A)s, STs, MBC/DCs, BCs, BCMs	
Differently Abled	**Ex-servicemen**	**Differently Abled**	**Ex-servicemen**
No maximum age limit		40 years	48 years

Note

(i) The above mentioned age concession will not apply to those Ex-Servicemen Applicants who have already been recruited to any class or service or category.

(ii) Instructions given with regard to maximum age limit under para 5 of the "Instructions to Applicants" will apply to this recruitment.

(B) EDUCATIONAL QUALIFICATION (As on 28.08.2018)

Applicants should possess the following or its equivalent qualification as on 28.08.2018 i.e. date of this notification

> Must possess a Degree of any University or Institution recognised by the University Grants Commission, with Statistics or Mathematics as the main subjects.

Note

i. The degree qualification prescribed for this post should have been obtained by passing the required qualification in the order of studies, S.S.L.C+ H.Sc or its equivalent + U.G 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 notification)

ii. Applicants 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.** The Government Orders issued declaring equivalence of prescribed qualification after the date of this notification will not be accepted under Section 25(b) of Tamil Nadu Government Servants (Conditions of Service) Act, 2016. 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 of Equivalence of Qualification refer para 10 of the "Instructions to Applicants" **]**

(C) CERTIFICATE OF PHYSICAL FITNESS

Applicants selected for appointment to the above said post will be required to produce a certificate of physical fitness in the form prescribed below before their appointment.

Standard of Vision	Form of Certificate of Physical Fitness
Standard III or Better	Form prescribed for 'Other than Executive and Ministerial posts'

(D) KNOWLEDGE IN TAMIL

Applicants should possess adequate knowledge in Tamil on the date of this Notification.

[For details refer para 11 of the Commission's "Instructions to Applicants"**]**

7. CONCESSIONS

(i) Concessions in the matter of age and fees allowed to SCs, SC(A)s, STs, MBCs/DCs, BCs, BCMs, Destitute Widows, Differently Abled Persons, Ex-servicemen, other categories of persons are given in paras 12 to 14 of the "Instructions to Applicants".

(ii) Persons claiming concessions referred to above and other claims made in the application, have to produce evidence for such claims when called for by the Tamil Nadu Public Service Commission, otherwise their application will be liable for rejection.

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. [Proviso to Section 3(j)(vii) of Tamil Nadu Government Servants (Conditions of Service) Act, 2016]

8. SCHEME OF EXAMINATION: OBJECTIVE TYPE (OMR METHOD) AND ORAL TEST:-

| Subject | Duration | Maximum Marks | Minimum Qualifying Marks for selection | |
			SCs, SC(A)s, STs, MBCs/DCs, BCs and BCMs	Others
i. Paper - I (Any one of the following subjects) (ObjectiveType)(Degree Standard) (200 Questions) Statistics (Code No.274) (**OR**) Mathematics (Code No.276)	3 hours	300	171	228
ii. Paper-II (GENERAL STUDIES) (ObjectiveType)(Degree Standard) (100 Questions) General Studies (Degree Standard) – 75 Questions **and** Aptitude and Mental Ability (SSLC Standard) – 25 Questions	2 hours	200		
iii. Interview and Records	---	70		
	Total	570		

Note

(i) The Syllabus for Examination is furnished in the **Annexure II** of the notification and also available in the Commission's website www.tnpsc.gov.in

(ii) Refer para 22 of "Instructions to Applicants" in regard to instructions to be followed while appearing for competitive examinations conducted by the Commission.

(iii) The questions in Paper I and Paper II will be set in both English and Tamil.

(iv) Candidates should choose and specify in the application only the subject in which they have obtained the prescribed educational qualification.

9. CENTRE FOR EXAMINATION

Examination will be held at the following centres: -

Name of the Centre	Centre Code	Name of the Centre	Centre Code
Chennai	0100	Tiruchirappalli	2500
Madurai	1000	Tirunelveli	2600
Coimbatore	0200	Salem	1700

Note

(i) Request for change of examination centre / venue will not be entertained. (For further details refer "Instructions to Applicants").

(ii) Applicants will be required to appear for the Written Examination / Certificate Verification / Oral Test at their own expenses.

(iii) The Commission reserves the right to increase / decrease the number of Examination Centres and to re-allot the applicants with respect to the number of candidates opted for each centre.

10. SELECTION PROCEDURE

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 applicants in the Written Examination and Oral Test taken together subject to the rule of reservation of appointment. Applicant's appearance in both the papers of the Written Examination and in the Oral Test is compulsory. An applicant 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 applicants in the Written Examination, the tentative list of eligible applicants for certificate verification will be announced in the Commission's website. After verification of the original certificates, the eligible applicants will be summoned for Oral Test following the rule of reservation of appointment.

[For further details refer paragraph 23 (b) of "Instructions to Applicants"**]**

11. NO OBJECTION CERTIFICATE / INFORMATION TO THE EMPLOYER

No Objection Certificate obtained from appropriate authority shall be produced at the time of certificate verification. Failure to produce at that time will lead to rejection of application. No Objection Certificate should be produced in the format prescribed under para 15 (g) of Commission's "Instructions to Applicants". Any violation of this instruction will be liable for / end in rejection of application and forfeiture of his/her candidature.

12. GENERAL INFORMATION

A. The rule of reservation of appointment is applicable to this recruitment.

B. In G.O.(Ms.) No.145, Personnel and Administrative Reforms (S) Department, dated 30.09.2010 and G.O.(Ms.) No.40, Personnel and Administrative Reforms(S) Department dated 30.04.2014, the Government have issued orders to fill up 20% of vacancies in direct recruitment on preferential basis to persons who studied the prescribed qualification in Tamil Medium. The 20% reservation of vacancies on preferential allotment to Persons Studied in Tamil Medium (PSTM) will apply to this recruitment, if Tamil medium of studies for the prescribed qualification is available. (Applicants claiming this reservation should have joined and studied the prescribed qualification in Tamil Medium and should have the certificate for the same. Having written the University examinations in Tamil language alone will not qualify the candidate for claiming this reservation). If the applicants with PSTM certificate are not available for selection for appointment against reserved turn, such turns shall be filled up by eligible Non-PSTM applicants, but belonging to the respective communal category. The PSTM certificate shall be produced / uploaded by the applicant in prescribed format / proforma available in the Commission's website at www.tnpsc.gov.in which shall be obtained from the Head of the Institution and to be submitted when called for by the Commission. **[For further details refer to para. 27 (XIX) of the** "Instructions to Applicants"**]**

C. The number of vacancies advertised is only approximate and is liable for modification / reduction with reference to vacancy position, at any time before finalization of selection.

D. If no qualified and suitable women applicants are available for selection against the vacancies reserved for them, those vacancies will be filled up by male applicants belonging to the respective communal categories.

E. The selection for appointment to the above said post is purely provisional subject to final Orders on pending Writ Petitions, if any, filed at Madras High Court and Madurai Bench of Madras High Court.

F. As mentioned in Section 26 and 27(c) of the Tamil Nadu Government Servants (Conditions of Service) Act, 2016, reservation of appointment to **Destitute Widows and Ex-Servicemen will not apply** to this recruitment.

G. This post is not identified as suitable for 4% reservation to Differently Abled Persons vide G.O.(Ms).No.20, Welfare of Differently Abled Persons (DAP 3.2) Department, dated 20.06.2018. Hence, the reservation for Differently Abled Persons is not applicable for this recruitment.

H. The Differently Abled persons who apply under other eligible category should submit / upload a copy of Differently Abled Certificate from the competent authority specifying the nature of physical handicap and the degree of disability as per para 14(b) of "Instructions to Applicants" for their claim, when called for by the Tamil Nadu Public Service Commission.

I. Even after filling up of 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 post reserved for Arunthathiyars remain unfilled for want of adequate number of qualified Applicants, it shall be filled up by Scheduled Castes other than Arunthathiyars.

J. Evidence for claims made in the online application should be uploaded / submitted within stipulated time when the documents are called for by the Tamil Nadu Public Service Commission. Any subsequent claim made thereafter on submission of online application will not be entertained. Failure to submit the documents within the stipulated time limit **will entail rejection of the Application**.

K. Correct and True information regarding arrest, convictions / debarment / disqualification by any recruiting agency, criminal or any disciplinary proceedings initiated / pending or finalized, participation in agitation or any Political Organization, candidature in election for Parliament/State Legislature/Local Bodies etc., if any, should also be furnished to the Commission at the time of application i.e., the details thereof, originals of the Judgement, order or G.O dropping further action in Departmental proceedings or any document that may prove the suitability of such Applicants for a Government 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 then and there. Failure to report on the part of Applicant will be considered as suppression of material information and will attract suitable penal action.

L. Incomplete applications and applications containing wrong claims or incorrect particulars relating to category of reservation / other basic qualification / age / communal category / educational qualification / PSTM / physical qualification and other basic eligibility criteria **will be liable for rejection.**

M. **One-Time Registration is not an application for any Post / Recruitment**. Though the details/particulars were furnished in the One-Time Registration by the applicants, the details/particulars furnished in the online application submitted for this recruitment alone will be taken into consideration. Tamil Nadu Public Service 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.

13. OTHER IMPORTANT INSTRUCTIONS

a) **Applicants should ensure their eligibility for examination:** The applicants applying for the examination should go through all instructions carefully and ensure that they fulfil all eligibility conditions for admission to examination. **Their admission to all stages of the examination will be purely provisional subject to satisfaction of the eligibility conditions**. Mere issue of memo of admission to the applicant will not imply that his/her candidature has been fully cleared by the Commission.

b) The **Hall Tickets** for eligible applicants will be made available in the Commission's Website www.tnpsc.gov.in or www.tnpscexams.net or www.tnpscexams.in for downloading the same by applicants. **Hall Tickets will not be sent by post**. Hence, the applicants should watch Commission's website before the scheduled date of examination. The Applicants must comply with each and every instruction given in the Hall Ticket.

c) **Grievance Redressal Cell for guidance of applicants:** In case of any guidance/ information / clarification of their applications, candidature etc., applicants can contact Tamil Nadu Public Service Commission's Office in person or over Telephone No.044-25332833 / 25332855 or the Commission's Office Toll-Free No.1800 425 1002 on all working days between 10.00 a.m. and 05.45 p.m. or **Commission's** e-mail id contacttnpsc@gmail.com.

d) After Notification, during the process of recruitment till publication of result, no information, under Right to Information Act, would be furnished.

e) **Mobile Phones and other articles Banned:**

i. Except the permitted writing material (i.e. 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 thing or instrument, 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. (For further details refer "Instructions to Applicants").

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 cannot be assured.

f) Unless specific instruction is given, applicants are not required to submit along with their application any certificates (in support of their claims regarding age, educational qualifications, physical qualification, community, physical disability etc.,) which should be submitted when called for by the Commission. Applicants applying for the examination should ensure that they fulfil all the eligibility conditions for admission to the examination. Their admission at all the stages of examination for which they are admitted by the Commission will be purely provisional, subject to their satisfying the prescribed eligibility conditions. If, on verification at any time before or after the written examination / certificate verification / oral test, it is found that they do not fulfil any of the eligibility conditions, their candidature for the examination will be liable for rejection / cancellation by the Commission. (For further details refer to the "Instructions to Applicants")

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

h) 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. [For further details refer "Instructions to Applicants"].

i) CONDUCT IN 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 severely viewed and penalised. [For further details refer "Instructions to Applicants"].

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

14. HOW TO APPLY

(i) Applicants should apply only through online mode in the Commission's Website
http://www.tnpsc.gov.in , http://www.tnpscexams.net , http://www.tnpscexams.in

(ii) 'One-Time Registration' (OTR) and 'Applicant's Dashboard' are 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 5 years from the date of Registration. All the applications should be submitted using the One-Time Registration ID and password registered by the applicant.

(iii) To apply under One-Time Registration, applicants should have scanned image of their photograph, certificate 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.

(iv) Applicants who have already registered in One-Time Registration on or before 29.09.2015 shall use their existing user ID and Password to create applicant Dashboard in the new One-Time Registration system. No applicant is permitted to create more than one registration ID in One-Time Registration.

(v) Applicants should enter the Unique ID and password to view the already available information and update them.

(vi) One-Time Registration is not an application for any post. It is just a collection of information from the applicants and giving a separate dashboard to each applicant to facilitate them to maintain their own profile. Applicant who wishes to apply for any post shall click "Apply" against the post Notified in the Commission's Website and use the same USER ID and PASSWORD given for ONE-TIME REGISTRATION.

(vii) Applicants should select the name of the post(s) and service to which they wish to apply.

(viii) An Online application uploaded without the photograph, specified documents and signature will be rejected.

(ix) All the particulars mentioned in the online application including Name of the Candidate, Post applied, Educational qualifications, Communal category, Date of Birth, Address, Email ID, Centre of Examination etc. will be considered as final and no modifications will be allowed after the last date specified for applying online. Since certain fields are firm and fixed and cannot be edited, applicants are requested to fill in the online application form with utmost care and caution as no correspondence regarding change of details will be entertained.

(x) **PRINT OPTION**

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

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

    c) Applicants need not send the printout of the online application or any other supporting documents to the Commission. The application and certificates will be verified only when the applicants come up for certificate verification.

(xi) **One-Time Registration will not be considered as an application for any post.**

15. UPLOAD / SUBMISSION OF DOCUMENTS

The candidates must upload/submit the necessary documents **whenever called for specifically** by the Tamil Nadu Public Service Commission.

16. LAST DATE FOR SUBMITTING APPLICATION

The Online Application can be submitted up to **26.09.2018** till **11.59 p.m.,** after which the link will be disabled.

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

Warning

- All the Recruitments by Tamil Nadu Public Service Commission are purely merit based.
- Tamil Nadu Public Service Commission hereby cautions the candidates against touts and agents cheating by making false promises of securing job through unfair means.
- Tamil Nadu Public Service Commission shall not be responsible or liable for any loss that may be caused to any candidate on account of indulging into any sort of actions with such unscrupulous persons.

எச்சரிக்கை

- தேர்வாணையத்தின் தெரிவுகள் அனைத்தும் விண்ணப்பதாரர்களின் தர வரிசைப்படியே மேற்கொள்ளப்படுகின்றன.
- பொய்யான வாக்குறுதிகளை சொல்லி, தவறான வழியில் வேலை வாங்கி தருவதாக கூறும் இடைத்தரகர்களிடம் விண்ணப்பதாரர்கள் மிகவும் கவனமாக இருக்குமாறு எச்சரிக்கப்படுகிறார்கள்.
- இதுபோன்ற தவறான மற்றும் நேர்மையற்ற நபர்களால் விண்ணப்பதாரர்களுக்கு ஏற்படும் எந்தவொரு இழப்புக்கும் தேர்வாணையம் எந்தவிதத்திலும் பொறுப்பல்ல.

Secretary

DISCLAIMER

"The Government orders relating to equivalence of qualification are available in the Tamil Nadu Public Service Commission's website. However, the applicants while applying for the examination should furnish the details of equivalence of qualification declared in the form of Government Orders issued on or before the date of this notification if any, which are not mentioned in Annexure - I to the notification and produce the same while submitting the documents, failing which their application will be rejected. The Government Orders issued regarding equivalence of prescribed qualification after the date of this notification will not be accepted."

Secretary

ANNEXURE-I

The following qualifications are declared as Equivalent.

S.No	Qualification	G.O. in which ordered
1.	5 year integrated courses offered by Annamalai University as equivalent to corresponding UG degree M.Sc. (Mathematics)	G.O.(Ms).No.75. Personnel and Administrative Reforms(M)Department, Dated 30.06.2011.
2.	i. B.Sc., (Statistics) is equivalent to B.Sc., Mathematics ii. B.Sc., Maths (Computer Application) is equivalent to B.Sc., Mathematics	G.O.(Ms).No.72, Higher Education (K2) Department, dated 30.04.2013.
3.	B.Sc Mathematics with Specialisation in Computer Application degree awarded by Bharathidasan University as equivalent to B.Sc., Mathematics.	G.O.(Ms).No.270, Higher Education (K2) Department, dated 31.12.2013.
4.	B.Sc (Special) Mathematics offered by Lady Doak College, Madurai Kamaraj University is equivalent to B.Sc Mathematics.	G.O.(Ms).No.212, Higher Education (K2) Department, dated 17.12.2014.
5.	B.Sc Mathematics with Computer Applications of Bharathiar University is equivalent to B.Sc Mathematics	G.O.(Ms).No.72, Higher Education (K2) Department, dated 20.04.2015.
6.	B.Sc.,(Mathematics, Statistics and Computer Science) (Chosen Subjects) in Part-II of the degree awarded by Sri Venkateswara University, Tirupathi(Andhra Pradesh) is equivalent to B.Sc degree in Statistics.	G.O.(Ms).No.232, Higher Education (K2) Department, dated 18.11.2016.

ANNEXURE – II
Syllabus
PAPER-I

MATHEMATICS / MATHEMATICS WITH STATISTICS (DEGREE STANDARD)

CODE NO: 276

UNIT I
ALGEBRA AND TRIGONOMETRY

Theory of Equations: Polynomial equations; Imaginary and irrational roots; Symmetric functions of roots in terms of coefficient; Sum of rth powers of roots; Reciprocal equations; Transformations of equations. Descrates' rule of signs: Approximate solutions of roots of polynomials by Newton - Raphson Method - Horner's method; Cardan's method of solution of a cubic polynomial. Summation of Series: Binomial, Exponential and Logarithmic series theorems; Summation of finite series using method of differences - simple problems. Expansions of sin x, cos x, tan x in terms of x; sin nx, cos nx, tan nx, sin nx, cos nx , tan nx, hyperbolic and inverse hyperbolic functions - simple problems. Symmetric; Skew Symmetric; Hermitian; Skew Hermitian; Orthogonal and Unitary Matrices; Rank of a matrix; Consistency and solutions of Linear Equations; Cayley Hamilton Theorem; Eigen values; Eigen Vectors; Similar matrices; Diagonalization of a matrix. Equivalence relations; Groups; subgroups – cyclic groups and properties of cyclic groups - simple problems; Lagrange's theorem; Prime number; Composite number; decomposition of a composite number as a product of primes uniquely (without proof); divisors of a positive integer n; congurence modulo n; Euler function; highest power of a prime number p contained in n!; Fermat's and Wilson's theroems - simple problems. Sums of sines and cosines of n angles which are in A.P.; Summation of trigonometric series using telescopic method, C + i S method.

UNIT II
CALCULUS, COORDINATE GEOMETRY OF 2 DIMENSIONS AND DIFFERENTIAL GEOMETRY

nth derivative; Leibnitz's theorem and its applications; Partial differentiation.Total differentials; Jacobians; Maxima and Minima of functions of 2 and 3 independent variables - necessary and sufficient conditions; Lagrange's method – simple problems on these concepts.

Methods of integration; Properties of definite integrals; Reduction formulae - Simple problems.

Conics - Parabola, ellipse, hyperbola and rectangular hyperbola - pole, polar, co-normal points, con-cyclic points, conjugate diameters, asymptotes and conjugate hyperbola. Curvature; radius of curvature in Cartesian coordinates; polar coordinates; equation of a straight line, circle and conic; radius of curvature in polar coordinates; p-r equations; evolutes; envelopes.

Methods of finding asymptotes of rational algebraic curves with special cases. Beta and Gamma functions, properties and simple problems. Double Integrals; change of order of integration; triple integrals; applications to area, surface are volume.

UNIT III
DIFFERENTIAL EQUATIONS AND LAPLACE TRANSFORMS

First order but of higher degree equations – solvable for p, solvable for x, solvable for y, clairaut's form – simple problems.

Second order differential equations with constant coefficients with particular integrals for eax, xm, eax sin mx, eax cos mx

Second order differential equations with variable coefficients $ax^2\frac{d^2y}{dx^2} + bx\frac{dy}{dx} + cy = q(x)$

Method of variation of parameters; Total differential equations, simple problems. Partial Differential equations : Formation of P.D.E by eliminating arbitrary constants and arbitrary functions; complete integral; Singular integral ; general integral; Charpit's method and standard types f(p,q)=0, f(x,p,q)=0, f(y,p,q)=0, f(z,p,q)=0, f(x,p)= f(y,q); Clairaut's form and Lagrange's equations Pp+Qq=R – simple problems.

Laplace transform; inverse Laplace transform(usual types); applications of Laplace transform to solution of first and second order linear differential equations (constant coefficients) and simultaneous linear differential equations – simple problems.

UNIT IV
VECTOR CALCULUS, FOURIER SERIES AND FOURIER TRANSFORMS

Vector Differentiation : Gradient, divergence, curl, directional derivative, unit normal to a surface.

Vector integration: line, surface and volume integrals; theorems of Gauss, Stokes and Green – simple problems.

Fourier Series: Expansions of periodic function of period 2π ; expansion of even and odd functions; half range series.

Fourier Transform: Infinite Fourier transform (Complex form, no derivation); sine and cosine transforms; simple properties of Fourier Transforms; Convolution theorem; Parseval's identity.

UNIT V
ALGEBRAIC STRUCTURES

Groups: Subgroups, cyclic groups and properties of cyclic groups – simple problems; Lagrange's Theorem; Normal subgroups; Homomorphism; Automorphism ; Cayley's Theorem, Permutation groups.

Rings: Definition and examples, Integral domain, homomorphism of rings, Ideals and quotient Rings, Prime ideal and maximum ideal; the field and quotients of an integral domain, Euclidean Rings.

Vector Spaces: Definition and examples, linear dependence and independence, dual spaces, inner product spaces.

Linear Transformations: Algebra of linear transformations, characteristic roots, matrices, canonical forms, triangular forms.

UNIT VI
REAL ANALYSIS

Sets and Functions: Sets and elements; Operations on sets; functions; real valued functions; equivalence; countability; real numbers; least upper bounds.

Sequences of Real Numbers: Definition of a sequence and subsequence; limit of a sequence; convergent sequences; divergent sequences; bounded sequences; monotone sequences; operations on convergent sequences; operations on divergent sequences; limit superior and limit inferior; Cauchy sequences.

Series of Real Numbers: Convergence and divergence; series with non-negative numbers; alternating series; conditional convergence and absolute convergence; tests for absolute convergence; series whose terms form a non-increasing sequence; the class l^2. Limits and metric spaces: Limit of a function on a real line; metric spaces; limits in metric spaces.

Continuous functions on Metric Spaces: Functions continuous at a point on the real line, reformulation, functions continuous on a metric space, open sets, closed sets, discontinuous functions on the real line.

Connectedness Completeness and compactness: More about open sets, connected sets, bounded sets and totally bounded sets, complete metric spaces, compact metric spaces, continuous functions on a compact metric space, continuity of inverse functions, uniform continuity.

Calculus: Sets of measure zero, definition of the Riemann integral, existence of the Riemann integral properties of Riemann integral, derivatives, Rolle's theorem, Law of mean, Fundamental theorems of calculus, Taylor's theorem. Sequences and Series of Functions. Pointwise convergence of sequences of functions, uniform convergence of sequences of functions.

UNIT VII
COMPLEX ANALYSIS

Complex numbers: Point at infinity , Stereographic projection

Analytic functions: Functions of a complex variable , mappings, limits , theorems of limits, continuity, derivatives, differentiation formula, Cauchy-Riemann equations, sufficient conditions Cauchy-Riemann equations in polar form, analytic functions, harmonic functions.

Mappings by elementary functions: linear functions, the function 1/z, linear fractional transformations , the functions w=zn, w=ez, special linear fractional transformations.

Integrals: definite integrals, contours , line integrals, Cauchy-Goursat theorem, Cauchy integral formula, derivatives of analytic functions, maximum moduli of functions.

Series: convergence of sequences and series,Taylor's series, Laurent's series, zero's of analytic functions.

Residues and poles: residues, the residue theorem, the principal part of functions, poles, evaluation of improper real integrals, improper integrals, integrals involving trigonometric functions, definite integrals of trigonometric functions

UNIT VIII
DYNAMICS AND STATICS

DYNAMICS: kinematics of a particle, velocity, acceleration, relative velocity, angular velocity, Newton's laws of motion, equation of motion, rectilinear motion under constant acceleration, simple harmonic motion.

Projectiles : Time of flight, horizontal range, range in an inclined plane. Impulse and impulsive motion, collision of two smooth spheres, direct and oblique impact-simple problems.

Central forces : Central orbit as plane curve, p-r equation of a central orbit, finding law of force and speed for a given central orbit, finding the central orbit for a given law of force.

Moment of inertia : Moment of inertia of simple bodies, theorems of parallel and perpendicular axes, moment of inertia of triangular lamina, circular lamina, circular ring, right circular cone, sphere (hollow and solid).

STATICS: Types of forces, Magnitude and direction of the resultant of the forces acting on a particle, Lami's Theorem, equilibrium of a particle under several coplanar forces, parallel forces, moments, couples-simple problems.

Friction: Laws of friction, angle of friction, equilibrium of a body on a rough inclined plane acted on by several forces, centre of gravity of simple uniform bodies, triangular lamina, rods forming a triangle, trapezium, centre of gravity of a circular arc, elliptic quadrant, solid and hollow hemisphere, solid and hollow cone, catenary-simple problems.

UNIT IX
OPERATIONS RESEARCH
Linear programming – formulation – graphical solution – simplex method - Big-M method – Two-phase method-duality- primal-dual relation – dual simplex method – revised simplex method – Sensitivity analysis. Transportation problem – assignment problem. Sequencing problem – n jobs through 2 machines – n jobs through 3 machines – two jobs through m machines – n jobs through m machines PERT and CPM : project network diagram – Critical path (crashing excluded) – PERT computations. Queuing theory – Basic concepts – Steady state analysis of M/M/1 and M/M/systems with infinite and finite capacities.
Inventory models : Basic concepts - EOQ models : (a) Uniform demand rate infinite production rate with no shortages (b) Uniform demand rate Finite production rate with no shortages – Classical newspaper boy problem with discrete demand – purchase inventory model with one price break.
Game theory : Two-person Zero-sum game with saddle point – without saddle point – dominance – solving 2 x n or m x 2 game by graphical method. Integer programming : Branch and bound method.

UNIT X
MATHEMATICAL STATISTICS
Statistics – Definition – functions – applications – complete enumeration – sampling methods – measures of central tendency – measures of dispersion – skewnesskurtosis. Sample space – Events, Definition of probability (Classical, Statistical & Axiomatic) – Addition and multiplication laws of probability – Independence – Conditional probability – Bayes theorem – simple problems. Random Variables (Discrete and continuous), Distribution function – Expected values & moments – Moment generating function – probability generating function – Examples. Characteristic function – Uniqueness and inversion theorems – Cumulants,
Chebychev's inequality – Simple problems. Concepts of bivariate distribution – Correlation : Rank correlation coefficient – Concepts of partial and multiple correlation coefficients – Regression : Method of Least squares for fitting Linear, Quadratic and exponential curves - simple problems. Standard distributions – Binomial, Hyper geometric, Poission, Normal and Uniform distributions – Geometric, Exponential, Gamma and Beta distributions, Inter-relationship among distributions. Sampling Theory – sampling distributions – concept of standard error-sampling distribution based on Normal distribution : t, chi-square and F distribution. Point estimation-concepts of unbiasedness, consistency, efficiency and sufficiency- Cramer Rao inequality-methods of estimation : Maximum likelihood, moments and minimum chi-square and their properties. Test of Significance-standard error-large sample tests. Exact tests based on Normal, t, chi-square and F distributions with respect to population mean/means, proportion/proportions variances and correlation co-efficient. Theory of attributes – tests of independence of attributes based on contingency tables – goodness of fit tests based on Chi-square.
Analysis of variance : One way, two-way classification – Concepts and problems, interval estimation – confidence intervals for population mean/means, proportion/proportions and variances based on Normal, t, chi-square and F. Tests of hypothesis : Type I and Type II errors – power of test-Neyman Pearson Lemma – Likelihood ratio tests – concepts of most powerful test –simple problems

<u>PAPER-I</u>
STATISTICS (UG STANDARD)

CODE NO:274

UNIT I :
Uses, Scope and limitation of Statistics, Collection, Classification and Tabulation of data, Diagramatic and Graphical representation, Measures of location, dispersion, Skewness and Kurtosis – Correlation and regression – Curve Fitting – Linear and Quadratic equation by the method of least squares.

UNIT II :
Probability - Addition, Multiplication and Baye's Theorems and their application. Tchebychev's inequality. Random variables – Univariate and Bivariate – Probability distributions – Marginal and conditional distributions – Expectations – Moments and cumulants generating functions.

UNIT III :
Probability distributions – Binomial, Poisson, Geometric and Hypergeometric. Continuous distributions – Uniform, exponential and normal. Sampling distributions and standard error, student's 't', Chi-square and F statistic – distributions and their applications.

UNIT IV :
Estimation – Point estimation – properties of estimates Neyman – Fisher Factorization theorem(without proof) Cramer – Rao inequality, Rao – Blackwell theorem – MLE and method of Moments estimation – Interval estimation – for population mean and variance based on small and large samples.

UNIT V :
Tests of Hypothesis – Null and Alternative – Types of errors – Power of test, Neyman – Pearson lemma, UMP and Likelihood ratio tests, Test procedures for large and small samples – Independence of attributes, Chi-square test – Goodness of fit.

UNIT VI :
Simple random sample – stratified, systematic, Cluster (Single stage) Estimation of mean and variance in SKS – Sample Survey – Organisation – CSO and NSSO – Sampling and Non-Sampling errors. Analysis of Variance – Principles of design CRD, RBD and LSD – Factorial experiments 2_2, 2_3 and 3_2 (Without confounding) Missing plot techniques.

UNIT VII :
Concept of SQC – Control Charts – X, R, p and charts Acceptance sampling plan – single and double – OC curves Attributes and Variables plan. OR Models – Linear Programming problems – Simplex method Dual – Primal, Assignment problems, Net work – CPM and PERT

UNIT VIII :
Time series – Different components – Trend and Seasonal Variations – Determination and elimination

UNIT IX :
Index Numbers – Construction and uses – Different kinds of simple and weighted index numbers – Reversal tests – construction and use of cost of living index numbers – Birth and death rates – Crude and standard death rates, Fertility rates – Life table construction and uses.

UNIT X :
Statistical Computing using Excel – Understanding on the usage of Statistical Packages including SPSS, MINITAB and SAS.

PAPER- II

GENERAL STUDIES (DEGREE STANDARD / OBJECTIVE TYPE)

UNIT- I: GENERAL SCIENCE

Physics Universe-General Scientific laws-Scientific instruments-Inventions and Discoveries - National scientific laboratories-Science glossary - Mechanics and properties of matter-Physical quantities, standards and units-Force, motion and energy-Electricity and Magnetism, Electronics and Communication -Heat, light and sound-Atomic and nuclear physics-Solid State Physics – Spectroscopy- Geophysics - Astronomy and space science.

Chemistry Elements and Compounds-Acids, bases and salts-Oxidation and reduction-Chemistry of ores and metals-Carbon, nitrogen and their compounds-Fertilizers, pesticides, insecticides-Biochemistry and biotechnology-Electrochemistry-Polymers and plastics.

Botany Main Concepts of life science-The cell-basic unit of life-Classification of living Organism -Nutrition and dietetics- Respiration- Excretion of metabolic waste- Bio-communication.

Zoology Blood and blood circulation-Endocrine system-Reproductive system-Genetics the science of heredity-Environment, ecology, health and hygiene, Bio- diversity and its conservation-Human diseases-Communicable diseases and non- communicable diseases-prevention and remedies- Alcoholism and drug abuse-Animals, plants and human life.

UNIT- II: CURRENT EVENTS

History Latest diary of events – National--National symbols-Profile of States-Defence, national security and terrorism-World organizations-pacts and summits-Eminent persons & places in news-Sports & games-Books & authors -Awards & honours-Cultural panorama-Latest historical events - India and its neighbours-- Latest terminology-Appointments-who is who?

Political Science 1.India's foreign policy-2. Latest court verdicts – public opinion-3. Problems in conduct of public elections - 4. Political parties and political system in India- 5. Public awareness & General administration-6. Role of Voluntary organizations & Govt.,-7. Welfare oriented govt. schemes, their utility.

Geography Geographical landmarks-Policy on environment and ecology.

Economics Current socio-economic problems-New economic policy & govt. Sector.

Science Latest inventions on science & technology-Latest discoveries in Health Science-Mass media & communication.

UNIT-III: GEOGRAPHY

Earth and Universe-Solar system - Atmosphere hydrosphere, lithosphere- Monsoon, rainfall, weather and climate-Water resources - rivers in India- Soil, minerals & natural resources-Natural vegetation-Forest & wildlife - Agricultural pattern, livestock & fisheries-Transport including Surface transport & communication - Social geography – population density and distribution-Natural calamities – disaster management-Climate change - impact and consequences - mitigation measures-Pollution Control.

UNIT-IV: HISTORY AND CULTURE OF INDIA

Pre-historic events--Indus valley civilization-Vedic, Aryan and Sangam age- Maurya dynasty-Buddhism and Jainism-Guptas, Delhi Sultans, Mughals and Marathas-Age of Vijayanagaram and the bahmanis-South Indian history-Culture and Heritage of Tamil People - Advent of European invasion-Expansion and consolidation of British rule-Effect of British rule on socio-economic factors-Social reforms and religious movements-India since independence-Characteristics of Indian culture-Unity in diversity –race, colour, language, custom-India-as secular state-Organizations for fine arts, dance, drama, music- Growth of rationalist, Dravidian movement in TN-Political parties and populist schemes- Prominent personalities in the various spheres – Arts, Science, literature and Philosophy – Mother Teresa, Swami Vivekananda, Pandit Ravishankar , M.S.Subbulakshmi, Rukmani Arundale and J.Krishnamoorthy etc.

Unit-V: INDIAN POLITY

Constitution of India-. Preamble to the constitution- Salient features of constitution- Union, State and territory- Citizenship-rights amend duties- Fundamental rights- Fundamental duties-Human rights charter- Union legislature – Parliament- State executive- State Legislature - assembly- Status of Jammu & Kashmir- Local government – panchayat raj – Tamil Nadu - Judiciary in India – Rule of law/Due process of law- Indian federalism – center – state relations- Emergency provisions- Civil services in India- Administrative challenges in a welfare state- Complexities of district administration- Elections - Election Commission Union and State. Official language and Schedule-VIII- Amendments to constitution- Schedules to constitution-. Administrative reforms & tribunals- Corruption in public life- Anti-corruption measures – Central Vigilance Commission, lok-adalats, Ombudsman, - Comptroller and Auditor General of India- Right to information - Central and State Commission- Empowerment of women- Voluntary organizations and public grievances redressal- Consumer protection forums.

UNIT-VI: INDIAN ECONOMY

Nature of Indian economy-Need for economic planning-Five-year plan models-an assessment - Land reforms & agriculture-Application of science in agriculture- Industrial growth - Capital formation and investment-Role of public sector & disinvestment- Development of infrastructure - National income- Public finance & fiscal policy- Price policy & public distribution- Banking, money & monetary policy- Role of Foreign Direct Investment (FDI) - WTO-globalization & privatization - Rural welfare oriented Programmes - Social sector problems – population, education, health, employment, poverty-HRD - sustainable economic growth- Economic trends in Tamil Nadu -Energy Different sources and development- Finance Commission -Planning Commission- National Development Council.

UNIT-VII: INDIAN NATIONAL MOVEMENT

National renaissance-Early uprising against British rule-1857 Revolt- Indian National Congress-Emergence of national leaders-Gandhi, Nehru, Tagore, Nethaji - Growth of militant movements -Different modes of agitations-Era of different Acts & Pacts-World war & final phase struggle-Communalism led to partition-Role of Tamil Nadu in freedom struggle - Rajaji, VOC, Periyar, Bharathiar & Others-Birth of political parties /political system in India since independence.

Unit-VIII: APTITUDE & MENTAL ABILITY TESTS (SSLC Standard)

Conversion of information to data - Collection, compilation and presentation of data - Tables, graphs, diagrams-Parametric representation of data - Analytical interpretation of data - Simplification - Percentage - Highest Common Factor (HCF) - Lowest Common Multiple (LCM) - Ratio and Proportion-Simple interest-Compound interest- Area - Volume - Time and Work - Behavioural ability - Basic terms, Communications in information Technology - Application of Information and Communication Technology (ICT) - Decision making and problem solving-Logical Reasoning-Puzzles - Dice-Visual Reasoning-Alpha numeric Reasoning-Number Series - Logical Number/Alphabetical/Diagrammatic Sequences.

Annexure III
Tentative Timeline for the Recruitment Process

Sl. No.	Process	Timeline
1.	Date of Publication of Written Examination results	January 2019
2.	Certificate Verification	February 2019
3.	Oral Test	February 2019
4.	Final Result	February 2019

Secretary