



## TAMIL NADU PUBLIC SERVICE COMMISSION

NOTIFICATION NO: 24 /2016

DATED: 15.12.2016

Applications are invited only through online mode upto 12.01.2017 for Direct Recruitment to the post of Assistant Director of Handloom and Textiles for the years 2007-2008, 2010-2011, 2012-2013 and 2015-2016.

It is mandatory for the applicants to register their basic particulars through One - Time online Registration system on payment of Rs. 50/- towards registration fee and then should apply online for this recruitment.

Name of the Post and Code No.	Name of the Service and Code No.	No. of vacancies	Pay Band and Grade Pay
Assistant Director of Handloom and Textiles (Code No. 1867)	Tamil Nadu Handlooms and Textiles Service (Code No. 039)	12	Rs. 15600 - 39100 + Grade Pay Rs. 5400

### 2. DISTRIBUTION OF VACANCIES:-

GT(G)	GT(G) PSTM	GT(W)	BC(G)	BC(W)	MBC/DC (G)	MBC/DC(W)	SC(G)	SC(W)	SC(A)(W) PSTM	Total
2	1	1	2	1	1	1	1	1	1	12

GT- General Turn , BC - Backward Class, MBC/ DC - Most Backward Class/ Denotified Community, SC- Schedule Caste, A - Arunthathiar, G - General, W - Women, PSTM- Persons Studied in Tamil Medium.

### 3. FEES:

a)	<b>Registration Fee</b> For One Time Registration Fee - <b>Note:</b> Applicants who have already registered in One Time Registration system paying Rs.50/- are exempted from paying the registration fee for this recruitment.	Rs.50/-
b)	<b>Written Examination Fee</b> <b>Note:</b> The Written Examination fee <b>should be paid</b> at the time of submitting the online application for this recruitment if they are not eligible for the concession noted below	Rs.125/-

**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 Disabled persons, the disability should be not less than 40%. (ii) For DWs, the DW certificate should have been obtained from the RDO / Sub 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 any of the previous recruitment may avail exemption from payment of examination fee.	(i) For degree holders only. (ii) Should not have availed three free chances in any of the previous recruitment
(iv) Ex-Servicemen	Those who have not availed two free chances so far in any of the previous recruitment may avail exemption from payment of examination fee.	(i) Should not have availed two free chances in any of the previous recruitment. (ii) Fee concession will not apply to those who have already been recruited to any class or service or category.

- (i) The Three/two free chances referred to above are not for **EACH POST** but for **ANY THREE/TWO APPLICATION 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 be liable for rejection of application.
- (iii) If the fee concession claimed in the application exceeds the admissible limits announced above, the application will be rejected.

(For further details regarding fee concession, refer para 12 of "Instructions to Applicants")

**4. IMPORTANT DATES:-**

Date of Notification	<b>15.12.2016</b>	-
Last date for submission of applications	<b>12.01.2017</b>	-
Last date for payment of Examination Fee through Bank (State Bank of India/Indian Bank)	<b>14.01.2017</b>	-
<b>Date of Written Examination</b>		
<b>Paper-I (Subject Paper)</b>	<b>08.04.2017 FN</b>	<b>10.00 A.M. to 01.00 P.M</b>
<b>Paper-II (General Studies)</b>	<b>08.04.2017 AN</b>	<b>02.30 P.M. to 04.30 P.M</b>

**5. QUALIFICATIONS:-****A. AGE** (as on 01.07.2016):

Sl. No.	Category of Candidates	Minimum Age (should have completed)	Maximum Age (Should not have completed)
1.	SCs, SC(A)s, STs, MBCs/DCs, BCs (OBCMs), BCMs and Destitute Widows of all Castes.	18 Years	No Age Limit
2.	'Others' [i.e. candidates not belonging to SCs, SC(A)s, STs, MBCs/DCs, BCs (OBCMs), BCMs and Destitute Widows of all Castes].	18 Years	30 Years

**Age Concession:****(i) For Differently Abled Persons:**

Differently Abled Persons are eligible for age concession upto 10 years over and above the maximum age limit prescribed above.

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

(a) No maximum age limit for applicants belonging to SCs, SC(A)s, STs, MBCs/DCs, BC(OBCM)s, BCMs.

(b) The maximum age limit is 48 years for others(should not have completed) i.e. applicants not belonging to any of the categories mentioned in (a) above.

(c) The above mentioned age concession will not apply to the Ex-servicemen applicants those who have already been recruited to any class or service or category.

**(iii) Others** [i.e Applicants not belonging to SCs, SC(A)s, STs, MBCs/DCs, BC(OBCM)s, BCMs] who have put in five years of service in the State/Central Government are not eligible even if they are within the age limit.

For further details refer para 5 of the 'Instructions to Applicants'.

**5.B(i) EDUCATIONAL QUALIFICATION as on 15.12.2016**

Applicants should possess the following educational qualification awarded by any University or Institution recognised by the University Grants Commission on the date of this notification:

Name of the post	Educational Qualification	Preference
<b>Assistant Director of Handloom and Textiles</b>	Degree in Textile Technology (or) Degree in M.com (or) M.A. with Economics as the main subject (or) M.Sc., with Mathematics as the main subject	Provided that other things being equal, preference shall be given to the holders of Textile Technology degree.

**Note:**

- (1) The qualification prescribed for the post in this recruitment should have been obtained by passing the required qualification in the order of studies 10<sup>th</sup> + HSC or its equivalent qualification + UG Degree and PG Degree as the case may be.
- (2) Persons claiming equivalence of qualification should upload the details for such claim and should submit evidence when called for. The G.O.s for equivalence of qualification is available in **Annexure-II** of the Notification

**(For further details refer para-10 of the 'Instructions to Applicants').**

**5(C) CERTIFICATE OF PHYSICAL FITNESS:-**

Applicants selected for appointment to the post will be required to produce a certificate of physical fitness in the form prescribed below:

Standard of Vision	Form of Certificate of Physical Fitness
Standard-III	Form prescribed for Executive post.

Colour blindness and night blindness will be a disqualification. Applicants with defective vision should produce eye fitness certificate from a qualified eye specialist.

**6. GENERAL INFORMATION:**

- A. The Rule of reservation of appointments is applicable to the post.
- 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 all 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 for this recruitment. (Candidates claiming this reservation should have studied the prescribed qualification for the post in Tamil Medium and should have the certificate for the same. Having written the examinations in Tamil language alone will not qualify for claiming this reservation). If the candidates with PSTM are not available for selection for appointment against reserved turn such turn shall be filled up by Non-PSTM candidates 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](http://www.tnpsc.gov.in)' which shall be obtained from the Head of the Institution when called for by the commission

**(Further details are at Para 27 (XIX) of the Instructions to Applicants)**

- C. The number of vacancies advertised is only approximate and is liable for modification including reduction with reference to vacancy position at any time before finalisation 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 by male applicants belonging to the respective communal categories.
- E. 3% reservation for Differently Abled Persons will be made applicable to Differently Abled Persons for the categories identified as suitable in G.O.MS.No.13, Welfare of Differently Abled Persons (DAP.3.2) Department, dated 02.03.2016 and as per the amendments issued from time to time. The post of Assistant Director of Handloom and Textiles has been identified as suitable for the following categories of Differently Abled Persons:-

<b>Categories of Differently Abled Persons Suitable</b>	<b>Functional classification</b>
OA/OL	<b>OA-One Arm (40% to 70%) OL-One Leg (40% to 70%)</b>

- F. The turn for Differently Abled Persons does not arise in this recruitment. However, they can apply and should upload the documents referred in para 14 (b) of the Commission's 'Instructions to Applicants' when called for by Tamil Nadu Public Service Commission.
- G. The Differently Abled persons should upload a copy of certificate of physical fitness specifying the nature of physical handicap and the degree of disability based on the norms laid down, from the Medical Board to the effect that his/her handicap will not render him/her incapable of efficiently discharging the duties attached to the post to which he / she has been selected when called for by the Tamil Nadu Public Service Commission.
- H. Reservation of appointment to "Destitute Widows" and "Ex-servicemen" will not apply to this recruitment.
- 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 posts 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 in time when documents are called for. Any subsequent claim made thereafter on submission of online application will not be entertained.
- K. Correct and True information regarding arrest, convictions / debarment / disqualification by any recruiting agency, criminal or any disciplinary proceedings initiated / pending or finalised, participation in agitation or any Political Organisation, 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.

- L. **Incomplete applications and applications containing wrong claims or incorrect particulars relating to category of reservation / other basic qualification / eligibilitywise / age / communal categories / educational qualification / physical qualification and other basic eligibility criteria will be liable for rejection.**
- M. **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 forms.**
- N. **Knowledge in Tamil:-**  
Applicants should possess adequate knowledge in Tamil on the date of this Notification.  
(For details refer para 11 of Commission's 'Instructions to Applicants')

**7. SCHEME OF WRITTEN EXAMINATION (OBJECTIVE TYPE-OMR METHOD ) AND ORAL TEST:-**

Subject	Duration	Maximum Marks	Minimum Qualifying Marks for selection	
			SCs, SC(A)s, STs, MBC/DCs BC(M)s & BCs (OBCMs)	Others
<b>I. <u>One of the following subjects in which the applicant has acquired the prescribed educational qualification.</u></b> <b><u>Paper-I (Subject Paper)</u></b> <b><u>[ Objective Type ]</u></b> (200 items) (i) Textile Technology (code No. 235) (Degree Standard) or (ii) Commerce (code No. 236) (Post Graduate Degree Standard) or (iii) Economics (code No. 237) (Post Graduate Degree Standard) or (iv) Mathematics (code No.238) (Post Graduate Degree Standard)  <b><u>PAPER-II</u></b> <b>General Studies – 100 items</b> (Degree Standard) General Studies – 75 in and Aptitude and Mental Ability – 25(SSLC Std)	3 Hours	300 Marks	171	228
	2 Hours	200 Marks		
		70Marks		
<b>Total Marks</b>		570 Marks		

**In respect of Subject Paper and General Studies:-**

- (i) Regarding **Paper- I (Subject Paper)** the applicants should choose only the subject in which they have acquired the prescribed educational qualification.
- (ii) The Questions in Paper-I and Paper-II will be set both in English and Tamil except Textile Technology which will be set only in English.

- (iii) The applicants who have not appeared for any of the paper in the written examination will not be considered for selection even if they secure the minimum qualifying marks for selection.
- (iv) The syllabus for the subjects Paper-I (Subject Paper) and Paper-II (General Studies) are available in the Commission's website [www.tnpsc.gov.in](http://www.tnpsc.gov.in) and also furnished in **Annexure-I** to this Notification.

**Note: (For Written Examination)**

Refer para 22 of "Instructions to Applicants" in regard to Instructions to be followed while appearing for competitive Examinations conducted by the Commission

**8. CENTRES FOR EXAMINATION:-**

Examination will be held at the following Centres:

Sl. No	Name of the Centre	Centre Code	Sl. No	Name of the Centre	Centre Code
1.	Chennai	0100	4.	Salem	1700
2.	Coimbatore	0200	5.	Tiruchirappalli	2500
3.	Madurai	1000	6.	Tirunelveli	2600

**Note:**

- (i) The Commission reserves the right to increase/decrease the number of examination centres and to re-allot the applicants.
- (ii) Applicants should appear for the written examination/ Certificate Verification/ Oral Test at their own expenses.
- (iii) Request for change of venue will not be complied with.

**9. MODE OF PAYMENT OF EXAMINATION FEE:-**

- Examination fee Rs. 125/- (Rupees One Hundred and Twenty Five only) is payable online through Net banking/Credit card /Debit card or it can be paid at State Bank of India/Indian Bank within 2 days on submission of application.
- Applicants have to register their basic particulars through One-Time Registration which is mandatory on payment of Rs.50/- towards registration fee. The registration shall be valid for a period of five years from the date of One-Time Registration.
- 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.**

- Those who have registered in the **One -Time Registration** system, and paid the registration fee of Rs.50/- and received the registration ID **need not pay** the Registration fee i.e., Rs.50/- and it is enough to pay the examination fee alone.
- Applicants who have made One-Time Registration must apply for the notified posts. One – Time Registration is only to avail exemption for Registration fee for a period of 5 years from the date of registration.

**(For further details regarding the Examination fee concessions refer para 12 of the 'Instructions to Applicants').**

#### **10. PROCEDURE OF SELECTION:-**

Selection will be made in two successive stages i.e., (i) Written Examination and (ii) Oral Test in the shape of an interview. Final selection will be made on the basis of the total marks obtained by the Applicants at the Written Examination and Oral Test taken together subject to the rule of reservation of appointments. Applicant appearance in the Written Examination and Oral Test is compulsory. An Applicant who has not appeared for the Written Examination or the Oral Test will not be considered for selection, even if he/she secures qualifying marks for selection.

**(For further details refer paragraph 23 (b) of the 'Instructions to Applicants')**

#### **11. NO OBJECTION CERTIFICATE AND INFORMATION TO THE EMPLOYER:**

For details refer para 15 (g) of Commission's 'Instructions to Applicants'. - Any violation of this instruction will be liable for / end in rejection of application and forfeit his/her candidature. (Para 15(g) of the Instructions to Applicants shall be read as NOC and information to the employer)

#### **12. CONCESSIONS:-**

- (i) Concessions in the matter of age and/or fees allowed to SC's, SC(A)'s, ST's, MBC's/DC's, BC's, BCM's, Destitute Widows, Differently Abled Persons, Ex-servicemen, other categories of persons etc., are given in para 12 to 14 of the 'Instructions to Applicants'.
- (ii) Persons claiming concessions referred to above has to produce evidence for such claim when called for, otherwise his/her 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 (G.O.Ms.No.89, Personnel and Administrative Reform(S) Department, dated 12.08.2015)

**13. HOW TO APPLY:**

1. Applicants should apply only through online mode in the Commission's Websites [www.tnpsc.gov.in/www.tnpscexams.net/www.tnpscexams.in](http://www.tnpsc.gov.in/www.tnpscexams.net/www.tnpscexams.in)
2. One Time Registration (OTR) and applicant Dashboard are mandatory before applying for any post. One Time Registration is valid for 5 years from the date of registration.
3. For applying in One Time Registration, the applicants should have scanned image of their photograph and signature in CD/DVD/Pen Drive to upload the photo and signature.
4. 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.
5. Enter the Unique ID and password to view the already available information and update them.
6. One Time Registration is not an application for any post. It is just 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.
7. Select the name of the post or service for which you wish to apply.
8. Applicants are required to upload their photograph and signature as per the specifications given in the Guidelines for Scanning and Upload of Photograph and Signature.
9. An Online application uploaded without the photograph and signature will be rejected.
10. 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 the utmost care and caution as no correspondence regarding change of details will be entertained.
11. Print Option:-
  - a) After submitting the application, applicants can print / save their application in PDF format.
  - b) On entering registration number and password, applicants can download their application and print, if required.
  - c) Need not send the printout of the online application or any other supporting documents to the Commission. The certificates will be verified only when the applicants come up for next stage of selection.

**12. One Time Registration will not be considered as an application for any post.**

**14. 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 satisfying the eligibility conditions.** Mere issue of memo of admission to the applicants 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](http://www.tnpsc.gov.in) or [www.tnpscexams.net](http://www.tnpscexams.net) or [www.tnpscexams.in](http://www.tnpscexams.in) for downloading the same by applicants. No Hall Tickets will be sent by post. So the applicants should watch TNPSC 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.
- d. **Mobile Phones and other Articles Banned:**
  - i. Applicants are not allowed to bring Cellular Phone, Watches and Ring with Inbuilt Memory Notes and etc., or any other Electronic device and Non Electronic devices such as P&G Design Data Book, Books, Notes, Hand Bags and Recording Device either as separate piece or part of something used by the applicant such as Watch or Ring etc., to the examination hall / room on the date of examination.
  - 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. Do not bring into the Examination Hall any article such as books, notes, loose sheets, electronic or any other type of calculators, mathematical and drawing instruments, Log Tables, stencils of maps, slide rules, Text Books, rough sheets etc., except the permitted writing material (i.e. pen).No colour pen or Pencil must be used.

- iv. 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.
- e. Applicants are not required to submit along with their application any certificates in support of their claims regarding age, educational qualifications, physical qualification, community certificates and certificates regarding their physical disability etc., which should be submitted when called for by the Tamil Nadu Public Service Commission. The 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 viz. Written Examination and Oral Test will be purely provisional, subject to their satisfying the prescribed eligibility conditions. If, on verification at any time before or after Written Examination, Certificate Verification and Oral Test, it is found that they do not fulfil any of the eligibility conditions, their candidature for the recruitment will be liable for rejection / cancellation by the Commission. (For Further details refer "Instructions to Applicants")
- f. If any of their claims is found to be incorrect, it will lead to rejection / debarment.
- g. **Unfair means strictly prohibited:** No applicant shall copy from the papers of any other applicant or permit his 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")
- h. **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")
- i. 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.

**The Online Application can be submitted upto 12.01.2017 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](http://www.tnpsc.gov.in) )*

**Secretary**

**ANNEXURE - I**  
**Syllabus Paper - I**

**TEXTILE TECHNOLOGY (DEGREE STANDARD)**

**CODE NO:235**

Unit I: Fibre Identification and Blend analysis

- i) Textile fibre Classification.
- ii) Fine, gross structure and properties of fibres
- iii) Microscopic, physical and chemical test methods for fibre identification; blend analysis
- iv) Morphology characterization – Density, XRD, Electron microscopy
- v) Thermal characterization methods - DSC, DMA / TMA, TGA

Unit II: Physical Properties of Fibres

- i) Mechanical – Tensile, Elastic recovery, Time Effect, Bending, Twisting & Compression
- ii) Optical - Absorption and dichroism, Reflection and lustre.
- iii) Electrical and Thermal Properties - Dielectric property, Static Electricity, Structural changes in fibres on thermal treatment

Unit III: Synthetic Fibre Spinning and Post Spinning Operations

- i) Requirements of fibre forming polymers
- ii) Spinning of Polymers - Melt Spinning, Wet spinning, Dry spinning
- iii) Post Spinning Operations – Drawing, Crimping, Heat setting, Tow-to-top conversion, Texturing methods

Unit IV: Spinning:

- i) Principles of opening, cleaning and mixing/blending of fibrous materials
- ii) Draft and Drafting, Irregularity introduced by drafting
- iii) Roller arrangements in drafting systems;
- iv) Combing cycle, combing efficiency, lap preparation;
- v) Mechanism of roving bobbin building, roving twist;
- vi) Ring Cop formation, forces acting on yarn and traveller;
- vii) Single and folded yarn twist, production of core spun / compact spun yarn.
- viii) Alternate Spinning systems - rotor spinning, air jet spinning, friction spinning.
- ix) Principles of long staple spinning – Jute, Wool

Unit V: Weaving:

- i) Warp winding - random and precision winding, winding parameters
- ii) Yarn clearers and Tensioners; yarn splicing
- iii) Types of warping - beam and sectional warping, pirn winding process;
- iv) Sizing Techniques, sizing of spun and filament yarns
- v) Primary, Secondary and Tertiary motions of loom, Loom timings.
- vi) Tappet, Dobby and Jacquard shedding;
- vii) Principles of Shuttleless Weft insertion systems.
- viii) Principles of Circular and Multiphase weaving
- ix) Basic woven fabric constructions and its derivatives

#### Unit VI: Testing & Quality Control:

- i) Sample selection techniques using statistics.
- ii) Measurement of fibre length, strength, fineness, maturity
- iii) HVI and AFIS techniques
- iv) Determination of yarn count, twist and hairiness
- v) Tensile testing of fibres, yarns and fabrics
- vi) Evenness testing of slivers, rovings and yarns
- vii) fabric properties - air permeability, drape, crease recovery, tear / bursting strength & abrasion.
- viii) Objective Evaluation of fabric hand - FAST and KESF
- ix) Statistical analysis of experimental results – Mean, SD, CV%

#### Unit VII: Chemical Processing:

- i) Preparatory processes for natural fibres, synthetics and common blends
- ii) Dyeing of fibres using various dye classes.
- iii) Batch-wise and continuous dyeing techniques
- iv) Styles of printing. Printing thickeners and auxiliaries.
- v) Printing of cotton with reactive dyes.
- vi) Printing of polyester with disperse dyes.
- vii) Mechanical and chemical finishing of cotton

#### Unit VIII: Knitting & Garments:

- i) Knitting - Yarn quality requirements, principles of weft and warp knitting
- ii) Basic weft and warp knitted structures and its properties
- iii) Garments - Pattern making, Spreading, Cutting, Marker efficiency
- iv) Stitches and Seams
- v) Types of Sewing machine
- vi) Sewing thread attributes
- vii) Inspection and Merchandising

#### Unit IX: Nonwovens & Technical Textiles:

- i) Nonwovens - Web formation
- ii) Bonding methods – mechanical, thermal and chemical.
- iii) Finishing and Application of nonwovens
- iv) Technical Textiles - Property requirements
- v) Industrial Textiles - Belts, Ropes, Tyre-cords, Coated abrasives
- vi) Automotive Textiles - Filter fabrics, Airbags, Carpets
- vii) Geotextiles – Applications in civil engineering
- viii) Agriculture Textiles – Crop covers, bird nets, soil mats and sacks
- ix) Packaging Textiles – Food packing and bags.

#### Unit X: Textile Management & Environment Conservation:

- i) Industrial Engineering – Work study, method study,
- ii) Costing – Elements, Balance sheet, P & L Account
- iii) Tools – TQM, 5S, Kaizen, MIS.
- iv) Marketing Management
- v) Industrial relations and Labour laws
- vi) Energy conservation in textile production process,
- vii) Characteristics of Effluent
- viii) Effluent treatment.

## Commerce

### (POST GRADUATE DEGREE STANDARD)

CODE NO:236

**UNIT I Company law-** Types of companies – one-man company, small company, private company, Public company – Prospectus – types – Shelf prospectus, Red-herring prospectus - Appointment of directors – powers of directors - Audit committee – Related party transactions - Doctrine of indoor management - Modes of winding up

**UNIT II Business Environment** – Meaning – Environmental scanning and Strategic Early Warning System (SEWS), intellectual property rights and information policy – FDI and its impact on the economy, technology transfer - Corporate social responsibility - business and environment - Interface - legal, political, economic, social and cultural aspects

**UNIT III Management**– Definition and significance of management – Principles and functions of management - planning – organising - direction - motivation - co-ordination and control - management Vs administration - scientific management - rationalisation - personnel management - nature, scope, labour problem, employee turnover, absenteeism, trade union – Core Competence, TQM

**UNIT IV Marketing**– Definition and approaches to marketing –market segmentation - new product development – product life cycle - market channel - Pricing - advertisement and salesmanship - promotional strategies - consumer protection in India - Market Intelligence - Procedure and Law **relating** to import and export - Quality control Standardisation agencies - national and international – e-commerce – meaning, features, importance

**UNIT V Taxation** - Sales tax, excise duty, customs duty, MAT, VAT - Direct taxation: Income tax: computation of income under heads salaries and house property – Transfer pricing - **DTAA (Double Taxation Avoidance Agreement) – ICDS (Income Computation & Disclosure Standards) – GST**

**UNIT VI Financial Accounting** - Advanced problems in partnership accounts, Departmental and branch accounts, Hire purchase and Instalment system, Depreciation and Insurance Claims - Recent developments in accounting – social accounting, forensic accounting, fair value accounting, carbon accounting, kaizen accounting)

**UNIT VII Management and Cost Accounting** – Management Accounting - **Meaning and significance** - cash flow, fund flow - Ratio analysis - interpretation of financial statements - Marginal costing cost - Volume Profit relationship, Break-even - analysis - budgets - budgetary control - **Cost Accounting**– Nature and scope – cost centre and profit centre - Standard Costing - Variance analysis - responsibility accounting - profit planning and control

**UNIT VIII Financial Management** – Goals of financial management – Capital budgeting – methods of evaluating capital investment projects – pay-back method, Accounting rate of Return method, Net Present Value method, Internal Rate of Return method – Cost of capital – meaning and significance – capital structure – Operating leverage, financial leverage, combined leverage – EBIT-EPS analysis

**UNIT IX Auditing: Meaning and significance** – Audit of companies - appointment, status, Powers, duties and liabilities of auditors - audit report of share capital and transfer of shares – Investigation – Secretarial audit

**UNIT X Computer programming for Management-** Concept, languages: **C, C + +, java, visual basic, Oracle, xBRL (Extensible Business Reporting Language)** - Computerised Accounting

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## Economics

(POST GRADUATE DEGREE STANDARD)

CODE NO:237

### UNIT I

Importance and Scope of Economics - Micro and Macro Economics – Economic Statics and dynamics - Interdependence- Theory of consumer behaviour - Indifference curve analysis - Revealed Preference Theory - Elasticity of demand and its applications – Consumer's surplus.

### UNIT II

Theory of production and cost - production function - optimum factor combination - Linear and Homogenous production function - Cobb - Douglas - CES production Function - Translog (TL) production function - Break even analysis.- Value - Price determination under different market structures – Producer's Surplus.

### UNIT III

General Equilibrium analysis – Nash equilibrium - Welfare Economics – Welfare Criteria: Bergon's social welfare function - Pareto criterion and optimality conditions- Kaldor - Hicks Welfare Criterion - Scitovsky's Paradox – Arrow's impossibility theorem – Rawl's theory of social justice - Input - output analysis – Information (asymmetric).

### UNIT IV

National income - Measurement - difficulties - Sectoral shares – Circular flow of income – Classical Theory of income and employment - Keynesian Analysis - Theory of aggregate demand and aggregate supply – IS - LM model - Absolute income hypothesis - Relative income hypothesis - Permanent income hypothesis – Multiplier – Accelerator – Business cycles.

### UNIT V

Economic Systems - Market economy - Command economy - Mixed economy - Approaches to economic development - Adamsmith - Ricardo - Malthus - Schumpeter - Karl Marx - Gandhiji - J.C.Kumarappa - Periyar – Ambedkar Ideas.

### UNIT VI

Money - Friedman's theory - Don Patikin's theory – Tobin's theory – Baumol's model - Inflation - Deflation - Causes - effects - measures to control.- Banking - Importance - Role and functions of Commercial Banks and Central Bank – Money Supply in India.

## UNIT VII

Composition and direction of foreign trade - Importance of foreign trade and economic development - Balance of payments - Terms of trade – Foreign direct investment – Exchange rate - EXIM policy - GATT - WTO - Dunkel Draft - TRIPS - TRIMS – FEMA - UNCTAD - International Financial Institutions - IBRD and IMF - New International Economic Order.

## UNIT VIII

Fiscal Function - Direct and Indirect taxes - Public expenditure - Public borrowing - techniques - Debt management Fiscal Federalism - Fiscal policy – Compensatory and functional finance - Types of budget - Budget formulation - Centre and State Financial Relations in India.

## UNIT IX

Economic Development - leading issues in India and Tamil Nadu - Economic and non-economic factors - Agriculture - Prospects and problems – Trends in agricultural productivity – Green revolution - Land reform and effects - Rural Industrialization - Industry - Role of private and public Sectors - Industrial labour - Labour legislation - Social security measures.

## UNIT X

Planning – Types of Planning - National and state objectives and achievements – Models adopted in Indian plans - New Economic Policy – Liberalization, Privatisation and Globalisation - Multi - National Corporations – Sustainable Development(Transition from MDGs to SDGs).

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**Mathematics**  
**POST GRADUATE DEGREE STANDARD)**

**CODE NO:238**

**I. ALGEBRA**

Group - examples - subgroup - 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

**II REAL ANALYSIS**

Limit, Continuity, types of discontinuities, infinite limits, function of bounded variation, elements of 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. Littlewoods three principles. Lebesgue Integral of bounded function over a set of finite measure. Integration of a non negative function. General Lebesgue Integral.

**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, Laurents series.

**IV TOPOLOGY**

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

**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.

**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 co-efficients Laplace equation - Elementary solutions of Laplace equation.

## **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 - Weingastern, Codassi, Curvilinear, Co-ordinates in space. Geodesics on surfaces Geodesic curvature, Geodesics, Geodesic Coordinates, surfaces of constant curvature, rotation of surfaces of constant curve.

## **VIII. MECHANICS AND FLUID DYNAMICS:-**

STATICS:- Equilibrium of a system of particles, work and potential energy, friction, commoniatenary 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 included 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, moments of enertia, 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, Linearised theory, thermodynamical consideration, energy equation, plane shock waves, oblique shockwaves, prantle-mayer expansion - Navier Stoke's equation - dissipation of energy - diffusion of vorticity condition of no slip - steady flow between concentric rotating cylinder - steady viscos flow in tubes of uniform cross section - uniqueness theorem, Reynolds number, Boundary Layer thoery.

## **IX. PROBABILITY & MATHEMATICAL STATISTICS: -**

Probability of an event, Baye's theorem, Variables - random. Discrete & continuous distributions - Expected values & functions. Moment generating function and Charasteristic functions - Chebychev's inequality statements of uniqueness theorem & inverse theorems on charasteristics 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, Z distributions - distribution of regression coefficients.

### **SIGNIFICANT TESTS:**

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

## **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 - optimality test - Degenerate - Travelling salesman problem. Sequencing : Processing jobs through machines, Replacement of equipment that deteriorates or falls suddenly.

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**PAPER-II****[GENERAL STUDIES]**

(Degree Standard)

**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 Arundel 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 forms

### **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-VI. 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-VII. APTITUDE AND MENTAL ABILITY TESTS**

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-

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**ANNEXURE -II**

<b>Sl.No.</b>	<b>Qualification prescribed</b>	<b>Qualification considered as Equivalent to the Degree without considering the subjects as prescribed in the Rule</b>	<b>G.O. in which ordered</b>
1	A Degree in M.Com., (or)	M.Com., with Computer Applications, M.Com., (Information Technology), M.Com., (Finance and Cost Accounting) and M.Com (Finance and Control) awarded by Bharathiar University is equivalent to M.Com.,	G.O.(Ms) No.29, Higher Education (K2) Department, dated 04.03.2013.
		M.Com., (Financial Management), M.Com (Bank Management), M.Com., (Computer Application) awarded by Bharathidasan University is equivalent to M.Com.	G.O.(Ms) No.30, Higher Education (K2) Department, dated 04.03.2013.
		M.Com (Computer Application) to M.Com	G.O.(Ms) No.72, Higher Education (K2) Department, dated 30.04.2013
		M.Com., with B.B.A. equivalent to M.Com	
		M.Sc., Finance and Computer Application to M.Com., M.I.B to M.Com / Bharathiar University	
		M.Com (Corporate Finance) to M.Com Bharathidasan University	G.O.(Ms) No.270, Higher Education (K2) Department, dated 31.12.2013.
		M.Com., (Trade & Services), M.Com., (Business System), M.Com., (Trade and Development), M.Com., (International Business), M.Com., (International Business and Finance), M.Com., (Accounting Finance) awarded by University of Madras is equivalent to M.Com degree.	
The following P.G. Degree awarded by Annamalai University to those who have passed their Bachelor degree in corresponding subjects under 10+2+3 or 11+1+3 is equivalent to M.Com degree. <ol style="list-style-type: none"> <li>1. M.Com (Entrepreneurship)</li> <li>2. M.Com (Banking and Insurance Management – English &amp; Tamil Medium)</li> <li>3. M.Com (Computer Applications)</li> <li>4. M.Com (Accounting and Finance)</li> <li>5. M.com (Education Management)</li> <li>6. M.Com (Marketing)</li> <li>7. M.Com (Co-operative Management-English &amp; Tamil Medium)</li> </ol>	G.O.(Ms) No.27, Higher Education (K2) Department, dated 13.02.2014.		

		M.Com Finance awarded by Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore is equivalent to M.Com (General)	G.O.(Ms).No.112, Higher Education K2) Department, dated 18.07.2014.
		M.Com (International Banking) on-campus programme awarded by Annamalai University is equivalent to M.Com (General)	
		M.Com (Computer Application) awarded by Arulmigu Kalasalingam College of Arts & Science, Krishnankoil affiliated to Madurai Kamaraj University is equivalent to M.com.	
		M.Com with Computer Application awarded by Alagappa University is equivalent to M.Com.	G.O.(Ms) No.72, Higher Education (K2) Department, dated 20.04.2015.
		M.Com (Finance) awarded by Madurai Kamaraj University is equivalent to M.Com.	G.O.(Ms) No.37, Higher Education (K2) Department, dated 17.02.2016.
		M.Com.(Finance & Accounting) awarded by Bharathiar University is equivalent to M.Com.	
		M.Com.(Finance & Computer Application) awarded by Bharathiar University is equivalent to M.Com	
2	M.A. with Economics as the main subject or	M.A. Applied Economics (Five 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) is equivalent to M.A. (Economics) / Annamalai / Bharathiar / Gandhigram University	G.O.(Ms) No.72, Higher Education (K2) Department, dated 30.04.2013
		M.A. Business Economics is equivalent to M.A. Economics / Gandhigram University	
		M.A. (Applied Economics) is equivalent to M.A. (Economics) / Annamalai University	
		M.Sc (Mathematical Economics) is equivalent to M.A. (Economics)	
		M.Sc., Economics 5 years Integrated course awarded by Avinashilingam Institute for Home Science and Higher Education for Women, Deemed University is Equivalent to M.A. Economics	
		M.A. Applied Economics awarded by Bharathidasan University is equivalent 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.	
		M.S. Applied Econometrics awarded by Pondicherry University is equivalent to M.A. Economics.	G.O(Ms)No.2, Higher Education (K2) Department, dated 05.01.2016.
		MBE (Master of Business Economics) awarded by Bharathiar University is equivalent to M.A. Economics.	G.O.(Ms) No.37, Higher Education (K2) Department, dated 17.02.2016
<b>3</b>	M.Sc., with Mathematics as the main subject.	M.Sc., Mathematics with Computer Application (CBCS) and five year Integrated M.Sc., Mathematics with Computer Application awarded by Annamalai University be considered is equivalent to M.Sc., Mathematics.	G.O.Ms.No.260, Higher Education (H1) Department, dated 15.09.2012.
		M.Sc., Applied Mathematics 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., Maths (Computer Application) equivalent to M.Sc., Maths.	G.O.(Ms) No.72, Higher Education (K2) Department, dated 30.04.2013
		M.Sc., Statistics awarded by Madras University is equivalent to M.Sc., Mathematics.	G.O.(Ms)No.190, Higher Education (K2) Department, dated 27.09.2013.
		M.Sc. Applied Mathematics (Operation Research) awarded by Bharathidasan University is equivalent to M.Sc., Mathematics.	G.O.(Ms) No.212, Higher Education (K2) Department, dated 17.12.2014.
		M.Sc., Mathematics (Applicable Mathematics) awarded by Periyar University is equivalent to M.Sc., Mathematics.	

**DISCLAIMER**

“The Government orders relating to Equivalence of qualification have been hosted in the Tamil Nadu Public Service Commission website. However, the applicants while applying for the examination should furnish the equivalence of qualification in the form of Government order, if any, and produce the same when called for by Tamil Nadu Public Service Commission”.

**Secretary**