As per the orders of the Hon'ble High Court of Judicature at Madras in W.P.No.2937 of 2018, Cont.P.No.1773 of 2015 and W.M.P.No.3599 of 2018, applications are invited from eligible candidates belonging only to the Scheduled Castes / Scheduled Caste (Arunthathiyars) categories through online mode upto 24.02.2019 for direct recruitment to the post of Curator in Tamil Nadu General Subordinate Service against the following shortfall vacancies;

<table>
<thead>
<tr>
<th>Name of the Post and Code No.</th>
<th>Name of the Service and Code No.</th>
<th>No. of vacancies</th>
<th>Scale of Pay</th>
</tr>
</thead>
<tbody>
<tr>
<td>Curator in Museum Department (Code No. 2129)</td>
<td>Tamil Nadu General Subordinate Service (Code No.036)</td>
<td>04 (SC) (Shortfall Vacancies)</td>
<td>Rs.36700-116200/- (Level-17)</td>
</tr>
</tbody>
</table>

Note:

The selection against shortfall vacancies will be made from among Scheduled Castes / Scheduled Caste (Arunthathiyars) applicants only. The reservation for Women, Ex-serviceman and Differently Abled Persons will not be applicable for the recruitment of shortfall vacancies. [Section 27(h) of the Tamil Nadu Government Servants (Conditions of Service) Act, 2016]. Further, the reservation of vacancies to Persons Studied in Tamil Medium (PSTM) also will not apply for this recruitment.

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. IMPORTANT DATES AND TIME

| Date of Notification | 24.01.2019 |
| Last date for submission of application | 24.02.2019 |
| Date of Written Examination | |
| Paper – I (Subject Paper) | 19.05.2019 AN 02.30 P.M. to 04.30 P.M |
| Paper – II (General Studies) | 19.05.2019 AN 02.30 P.M. to 04.30 P.M |

3. FEES

<table>
<thead>
<tr>
<th>Registration Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>For One Time Registration (Revised with effect from 01.03.2017 vide G.O.(Ms).No. 32, Personnel and Administrative Reforms Department, dated 01.03.2017)</td>
</tr>
</tbody>
</table>
Note
Applicants who have already registered in One-Time Registration system paying Rs.50/- before 01.03.2017 and those who have registered for One-Time Registration on or after 01.03.2017 by paying Rs.150/- are exempted from paying the registration fee for this recruitment.

EXAMINATION FEE CONCESSION

<table>
<thead>
<tr>
<th>Category</th>
<th>Concession</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scheduled Castes / Scheduled Caste (Arunthathiyars)</td>
<td>Full Exemption</td>
<td>--</td>
</tr>
</tbody>
</table>

4. QUALIFICATIONS

(A) AGE LIMIT (as on 01.07.2019)

<table>
<thead>
<tr>
<th>Category of Applicants</th>
<th>Minimum Age (Should have completed)</th>
<th>Maximum Age</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCs/ SC(A)s</td>
<td>18 years</td>
<td>No Maximum Age limit</td>
</tr>
</tbody>
</table>

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, refer para 5 of “Instructions to Applicants”).

(B) EDUCATIONAL QUALIFICATION: (as on 24.01.2019)

Applicants should possess the following or its equivalent qualification:-

A Master's or Honour's degree in Zoology or Botany or Geology or Anthropology or Indian Archaeology or Sanskrit or History.

Note:

(i) The educational qualification prescribed for this post should have been obtained by passing the required qualification in the order of studies viz. 10th + HSC/Diploma + U.G. degree + P.G. degree or its equivalent as stipulated in Section 25 of Tamil Nadu Government Servants (Conditions of Service) Act 2016. The results of exam should have been declared on or before the date of Notification.

(ii) Applicants claiming equivalence of qualification to the prescribed qualification should upload and submit evidence for equivalence of qualification in the form of G.O. issued prior to the date of this notification, when called for, failing which, their application will be summarily rejected. The G.Os issued regarding equivalence of prescribed qualification after the date of this notification will not be accepted. A list of Equivalence of qualification in the related subjects is available in Annexure - I.

(Refer para 10 of the “Instructions to Applicants “)

(C) CERTIFICATE OF PHYSICAL FITNESS

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

<table>
<thead>
<tr>
<th>Standard of Vision Prescribed</th>
<th>Form of Certificate of Physical Fitness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard III or Better</td>
<td>Form prescribed for other than Executive and Ministerial Posts.</td>
</tr>
</tbody>
</table>
*The applicants with defective vision should produce eye fitness certificate from qualified eye specialist.

(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’).

5. CONCESSIONS

(i) Concessions in the matter of age and/or fees allowed to SCs, SC(A)s are given in para 12 to 14 of “Instructions to Applicants”.

(ii) Persons claiming concessions referred to above and other claims made in the application have to produce evidence for such claim when called for, otherwise his/her application will be liable for rejection.

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

<table>
<thead>
<tr>
<th>Subject</th>
<th>Duration</th>
<th>Maximum Marks</th>
<th>Minimum Qualifying Marks for selection</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Paper - I (200 Questions) (P.G. Degree Standard) Any one of the following subjects, in which the candidate acquired the qualification.</td>
<td>3 hours</td>
<td>300</td>
<td>70</td>
</tr>
<tr>
<td>(i) Geology (Code No.240)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(ii) Botany (Code No. 269)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(iii) Zoology (Code No.271)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(iv) Anthropology (Code No.312)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(v) Ancient History and Archaeology (Code No.314)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(vi) History (Code No.317)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(vii) Sanskrit (Code No.319)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>II. Paper - II (100 Questions) GENERAL STUDIES (Code No.003) General Studies (Degree Standard) – 75 Questions and Aptitude and Mental Ability Test (SSLC Standard) – 25 Questions</td>
<td>2 hours</td>
<td>200</td>
<td>171</td>
</tr>
<tr>
<td>III. Interview and Records</td>
<td></td>
<td></td>
<td>70</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>570</td>
</tr>
</tbody>
</table>
Note

(i) The Question Paper in Paper-I for the subjects Botany, Zoology and History and Paper - II will be set in both English and Tamil. The question paper for the subjects Geology, Anthropology and Ancient History & Archaeology will be set only in English.

(ii) The question paper in the language subject Sanskrit will be set in the respective language.

(iii) Candidates should choose and specify in the application, only the prescribed subject in which they have obtained the educational qualification for appearing to the examination.

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

(v) The Syllabus for Examination is furnished in the Annexure II of this notification.

7. CENTRE FOR EXAMINATION

Examination will be held in the following 3 Centres:-

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Centre</th>
<th>Centre Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Chennai</td>
<td>0100</td>
</tr>
<tr>
<td>2.</td>
<td>Madurai</td>
<td>1000</td>
</tr>
<tr>
<td>3.</td>
<td>Coimbatore</td>
<td>0200</td>
</tr>
</tbody>
</table>

Note

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

(ii) The Commission reserves the right to increase/decrease the number of Examination Centres and to re-allot the Applicants.

8. 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 candidates at the Written Examination and Oral Test taken together. Appearance in both the papers of the Written Examination and Oral Test is compulsory. A candidate who has not appeared in any one of the papers in Written Examination or Oral Test will not be considered for selection, even if he/she secures qualifying marks in the Written Examination or Oral Test.

(For further details refer paragraph 23 (b) of “Instructions to Applicants”)

Note:

The selection against shortfall vacancies will be made from among SC/SC(A) applicants only. The reservation for Women, Ex-serviceman and Differently Abled Persons will not be applicable for the recruitment of shortfall vacancies. [Section 27(h) of the Tamil Nadu Government Servants (Conditions of Service) Act, 2016]. Further, the reservation of vacancies to Persons Studied in Tamil Medium (PSTM) also will not apply for this recruitment.

(For further details refer paragraph 23 (b) of the ‘Instructions to the candidates’)

9. NO OBJECTION CERTIFICATE / INFORMATION TO THE EMPLOYER

No Objection Certificate obtained from appropriate authority shall be produced at the time of Certificate Verification, failing which, the application will be rejected.

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 forfeiture of his/her candidature.
10. GENERAL INFORMATION

A. The rule of reservation of appointments is not applicable to this recruitment including PSTM reservation.

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

C. 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.

D. If number of qualified Arunthathiyars are available, they shall be entitled to compete with the Scheduled Castes.

E. Any subsequent claim made thereafter on submission of online application will not be entertained. Evidence for claims made in the online application should be uploaded / submitted in time, when called for. Failure to submit the documents within the stipulated time limit will entail rejection of the Application.

F. 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.

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

H. 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.

11. 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 accepted 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. 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.
3) Communication to Applicants:

Individual communication regarding the date and time of certificate verification, Oral Test and counselling will not be sent to the applicants by post. The details will be made available on the Commission’s website. Applicants will be informed of the above fact only through SMS and e-mail.

d) 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 from 10.00 a.m. to 05.45 p.m or Commission’s mail id contacttnpsc@gmail.com

e) Mobile Phones and other Articles Banned:

i. Applicants are not allowed to bring Cellular Phone, Watches and Ring with Inbuilt Memory Notes 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 applicants 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. Applicants must 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. Ball point 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.

f) Unless specific instruction is given, applicants are not required to submit along with their online application any certificates in support of their claims regarding age, educational qualifications, practising / service, 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 for which they are admitted by the Commission viz. Written Examination, Certificate verification and Oral Test will be purely provisional, subject to their satisfying the prescribed eligibility conditions. If on verification at any time, 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).

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 applicants shall copy from the papers of any other candidate 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).
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.

**12. HOW TO APPLY**

1. Applicants should apply only through online mode in the Commission’s Websites [www.tnpsc.gov.in](http://www.tnpsc.gov.in) / [www.tnpscexams.net](http://www.tnpscexams.net) / [www.tnpscexams.in](http://www.tnpscexams.in)

2. One -Time Registration (OTR) and applicant 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.

3. For applying in One-Time Registration, the applicants should have scanned image of their photograph, certificate wherever insisted and signature in CD/DVD/Pen Drive to upload the photo, certificate 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. Applicants should enter the Unique ID and password to view the already available information and update them. They shall not share the ID with any other person or agency.

6. One -Time Registration is not an application for any post. It is just a collection of information from the applicants and 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. Applicants should select the name of the post or service for which they 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, specified documents 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 user ID 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.

13. UPLOAD OF DOCUMENTS

The applicants must upload / submit the documents whenever called for specifically.

14. LAST DATE FOR SUBMITTING APPLICATION

The Online Application can be submitted upto 24.02.2019 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)
17. 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.

Secretary
DISCLAIMER

“The Government orders relating to Equivalence of qualification have been hosted 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 order issued prior to the date of this notification, if any, which are not mentioned in Annexure-I to the notification and produce the same when called for by Tamil Nadu Public Service Commission, 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

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Qualification considered as Equivalent to the Degree without considering the Ancillary subjects as prescribed in the Rule.</th>
<th>G.O. in which ordered</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.</td>
<td>M.Sc., Botany (Five year Integrated) awarded by Annamalai University is equivalent to M.Sc., Botany.</td>
<td>G.O.(Ms) No.171, Higher Education (K2) Department, dated 30.09.2014</td>
</tr>
<tr>
<td>5.</td>
<td>M.Sc., Zoology (Specialization in Bio-Technology) awarded by Lady Doak College affiliated to Madurai Kamaraj University is equivalent to M.Sc., Zoology.</td>
<td>G.O.(Ms) No.27, Higher Education (K2) Department, dated 13.02.2014</td>
</tr>
<tr>
<td>7.</td>
<td>M.Sc., Applied Botany awarded by Periyar University is equivalent to M.Sc., Botany.</td>
<td>G.O.(Ms) No.72, Higher Education (K2) Department, dated 20.04.2015.</td>
</tr>
<tr>
<td>8.</td>
<td>M.A Applied History awarded by Loyola college of Autonomous affiliated to University of Madras is equivalent to M.A History.</td>
<td>G.O.(Ms) No.2, Higher Education (K2) Department, dated 05.01.2016</td>
</tr>
</tbody>
</table>

### Five year M.Sc., (Life Science) with following Specialization

- Plant Science
- Micro-Biology
- Bio-Technology
- Animal Science

Equivalent to the Post Graduate Degree.

<table>
<thead>
<tr>
<th>Specialization</th>
<th>Equivalent to the Post Graduate Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Plant Science</td>
<td>M.Sc., (Botany)</td>
</tr>
<tr>
<td>2. Micro-Biology</td>
<td>M.Sc., (Zoology)</td>
</tr>
</tbody>
</table>
ANNEXURE-II
TAMIL NADU PUBLIC SERVICE COMMISSION
CURATOR
PAPER-I
GEOLOGY (POST GRADUATE DEGREE STANDARD)
OBJECTIVE TYPE

Code No.240

UNIT I - GENERAL GEOLOGY AND GEOMORPHOLOGY
Origin and age of the Earth - Interior of the Earth - Isostasy – Continental drift – Seafloor spreading – Plate tectonics - Volcanoes and earthquakes - Effects and causes – Seismic zonation of India.
Landforms - their types and developments - Classification of shorelines and their evolution – submarine canyons - Geosynclines - Island arcs.

UNIT II - STRATIGRAPHY

UNIT III - PALEONTOLOGY
Evolution and stratigraphic importance of Ammonoids, Trilobites and Graptolites - Gondwana flora - their significance and paleoclimatic conditions - Field and laboratory techniques of micropaleontology - Application of micropaleontology in oil exploration.

UNIT IV - STRUCTURAL GEOLOGY
Mechanical properties of rocks - Mechanics and causes of folding and faulting - Classification of folds and faults - Recognition of folds and faults in the field - Joints Types of unconformity and their recognition in the field.

UNIT V - MINERALOGY AND CRYSTALLOGRAPHY

UNIT VI - IGNEOUS PETROLOGY
Classification of Igneous rocks - Petrography and petrogenesis of Granites, Alkaline rocks, Anorthosites, Carbonatite, Ultramafics - Study of binary and ternary system of crystallisation - Bowen's reaction principle - Diversity of Igneous rocks - variation diagrams - Crystallisation of Basaltic magma.

UNIT VII – SEDIMENTARY AND METAMORPHIC PETROLOGY
UNIT VIII - ECONOMIC GEOLOGY
Classification of ore minerals - Geological thermometry - processes of ore formation - minerals used in cement, refractory and ceramic industries.
Origin, occurrence, distribution and uses ores of Iron, Manganese, Copper, Lead, Zinc and Aluminum - Barite, Graphite, Asbestos and Quartz - occurrence and origin of coal and petroleum in India - Beach placers.

UNIT IX - HYDROGEOLOGY

UNIT X - APPLIED GEOLOGY
Electrical, magnetic, gravity and seismic methods of prospecting - Prospecting for radioactive minerals - Geochemical cycle - Geochemical prospecting – geochemical classification of elements and anomaly - Geological investigation pertaining to Dam foundation, tunnels and roads - Engineering properties of rocks - Types of sampling - ore reserve estimation - Mining methods - Environmental impacts due to mining and mineral processes - Renewable and non-renewable resources – Landslides – Geological hazards including tsunami – Remote sensing, GIS and GPS applications.

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UNIT- I

PLANT DIVERSITY – I, PLANT DIVERSITY – II AND ECONOMIC BOTANY


Economic Botany- Study of plants as sources of food, (cereals, millets, pulses, oil seeds) fodder, forage, fatty acids, essential oils, wood, timber, fiber, paper, rubber, beverages, spices and condiments, drugs, narcotics, resins, gums, dyes and tannins, insecticides and pesticides, ornamental and medicinal – plants as indigenous medicine system (Siddha, Ayurveda & Unani) Bioactive compounds.

UNIT- II

CELL BIOLOGY AND SEED BIOLOGY


Seed Biology - Definition – scope – Importance of seed as source of enriched nutrients – Chemical composition of cereals, millets, Common pulses and common oil – seeds. Seed development, phases of growth. Synthesis and accumulation of food reserves (storage proteins, carbohydrates, lipids, oils) Physiology of seed dormancy and germination. Methods to overcome seed dormancy. Early physiological events of seed germination. Hydrolysis and mobilization of reserve food materials from storage organ tissues to the germinating embryonic axis. Seed certification and quarantine.

UNIT: III

ANATOMY AND EMBRYOLOGY


UNIT: IV

GENETICS AND PLANT BREEDING


**UNIT: V**

**PLANT PHYSIOLOGY AND BIOCHEMISTRY**


**Unit: VI**

**BIOPHYSICS AND BIOSTATISTICS**


**Unit: VII**

**MICROBIOLOGY AND PLANT PATHOLOGY**


**Unit: VIII**

**MORPHOGENESIS, PLANT TISSUE CULTURE, BIOTECHNOLOGY AND APPLICATIONS**

**Morphogenesis** – Polarity, Symmetry and Totipotency, Morphogenetic Centres of origin and organization. Differentiations de- differentiations and re-differentiation of cells and organs. Morphogenetic factors.
**Plant Tissue Culture** – Methodology and application of cell, tissue, organ and protoplast culture from vegetative and reproductive parts – Meristem culture and its significance. Somatic hybrid and Cybrids. Synthetic seeds and their application.


**Unit: IX**

**ENVIRONMENTAL BOTANY**


**Unit: X**

**BIORESOURCES, BIODIVERSITY CONSERVATION AND ETHANOBOTANY**


UNIT I

UNIT II

UNIT III

UNIT IV

UNIT V
UNIT VI


UNIT VII


UNIT VIII


UNIT IX


UNIT X

UNIT- I: FOUNDATIONS OF ANTHROPOLOGY

Meaning and scope of Anthropology - Major branches of Anthropology - and Contemporary divisions. The relevance of holistic perspective and its interrelations with other disciplines. Indian Anthropologists and their contribution to the society and cultures of India.

UNIT –II: PHYSICAL ANTHROPOLOGY


UNIT- III: ARCHEOLOGICAL ANTHROPOLOGY

Broad outlines of pre-historic cultures (India and Europe), Palaeolithic - Mesolithic - Neolithic - Chalcolithic - Iron age - Geological time scale - A brief account of stone tool Typology and Technology and methods of problems of dating, Prehistoric and excavated sites in Tamil Nadu and recent findings: Athrampattinam, Adhichanallur, and Keezhadi.

UNIT- IV: BASIC THEORIES OF ANTHROPOLOGY

Evolutionary School of Thought, Diffusion School of Thought, Functionalism, Structure Functionalism, Structuralism, Symbolism, Culture and Personality, Postmodernism.

UNIT- V: BASIC CONCEPTS OF ANTHROPOLOGY

Family: Universality of family - structure, organization, and functions of family - changes in Indian family, Hindu joint family system and its transition.

Marriage: Definition of Marriage, Problems in Universal definition of Marriage - Marriage Regulations Exogamy and Endogamy - Types of Marriages - Preferential and Prescribed forms of marriage - Functions of Marriage - ways of Acquiring Mates, Marriage payments, Divorce, Marriage patterns in Hindu, Muslims and Christians.

Kinship and Descent: Definition, Kinship in social structure, Terminology, types of kinship systems, Rules of Descent, Descent groups, kinship usages and Analysis of kinship.

Culture: Definition, sub-culture, ethnocentrism, acculturation, assimilation, culture shock, culture loss, enculturation, patterns and configuration.

UNIT –VI: ECONOMIC AND POLITICAL ANTHROPOLOGY

Meaning, scope and Relevance of Economic Anthropology; Principles governing production, distribution and consumption in communities subsisting on Hunting and gathering, Fishing, Pastoralism, Horticulture Agriculture and Industrial Society. Modes of exchange, barter, ceremonial exchange, reciprocity, and redistribution, market and trade in tribal communities. Substantivism Vs. Formalism.

Meaning and scope of Political Anthropology, power, leadership, Legitimacy - differences between State and Stateless societies. Social control system, Law and Justice in simple and contemporary societies, New States, Nation building.
UNIT – VII: RESEARCH METHODS AND FIELD WORK TECHNIQUES

Fieldwork tradition in Anthropology, Participant Observation, Case Study, Focus Groups, Key informant interview, questionnaire and schedule, Genealogical method, Ethnographic approach, Visual Ethnography, Life histories and personal documents. Qualitative and Quantitative Research Methods, Basic statistics; graphical representation of data and sampling methods. Qualitative data analysis techniques: Content analysis, Narrative analysis and Discourse analysis. Writing culture and postmodernism.

UNIT - VIII: SOCIAL STRATIFICATION AND RELIGION

Principles of social stratification, Caste, Class and Power systems, The basis of Indian social System: varna, purushartha, karma and rebirth.


UNIT- IX: TRIBE AND THEIR CONTEMPORARY ISSUES IN INDIA

Definition of Tribe, Education, Health, Poverty, Land alienation, Issues of identity: Different Committees and their recommendations, island communities, PVTGs, Tribe and State conflict and compromise, Non-Scheduled Tribes, TRIs and their role in Tribal Development. Constitutional Safeguards for Scheduled Caste and Scheduled Tribes, Tribal Movements in India.

UNIT –X: DEVELOPMENT ANTHROPOLOGY


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UNIT – I: CULTURAL HISTORY OF TAMIL NADU UPTO 1565 AD

UNIT- II: HISTORY OF ARCHAEOLOGY

UNIT – III: FIELD ARCHAEOLOGY

UNIT- IV: PRE AND PROTO HISTORY OF INDIA

UNIT- V: EPIGRAPHY AND PALAEOGRAPHY

UNIT- VI : NUMISMATICS

UNIT- VII: ART AND ARCHITECTURE
Harappan Art – Mauryan Art and Architecture – Stupa, Chaitya and Vihara architecture – Art and Architecture of Deccan – Sathavahanas, Chalukyas, Rastrakutas, Hoysalas, Vijayanagaras and Nayaks –Monolithic and Structural temples of Tamil Nadu - Rock cuts of Early Pandyas and Pallavas – Sculptural art of Pallavas, Early Pandyas and Cholas – Temples at Mamallapuram,
Kanchipuram, Nartanmalai, Thanjavur, Gangaikonda Cholapuram, Vettuvankoil, Srirangam, Madurai and Krishnapuram.

UNIT VIII: ICONOGRAPHY AND PAINTING

UNIT IX: CONSERVATION AND MUSEOLOGY

UNIT X: EARLY HISTORICAL ARCHAEOLOGY
UNIT - I : INDIAN RACES AND GEOGRAPHY

Influence of geography on Indian History - Pluri-culturalism – Unity in Diversity - Sources of Indian History - Beginning of historic period - Indus Valley Civilization – Area - features - Rig Vedic and - Later Vedic cultures - Challenges to Vedic religion and society – Rise of Jainism and Buddhism – Results.

UNIT- II: ANCIENT INDIAN POLITY (UP TO 7TH CENTURY AD)


UNIT- III: ANCIENT AND PRE-MEDIEVAL TAMIL CULTURE

Sangam Age - Archaeological sites - Adicha Nallur - Pallavaram - Arikamedu - Keeladi - Sangam polity- The Kalabhras –The new findings on their importance - The Pallavas - Politics - society and culture - Relations with neighbours - The first Pandyan kingdom - The Greater Cholas and the Second Pandyan Kingdom – Their contribution to religion, art and literature – Spread of Tamil culture abroad.

UNIT-IV: MEDIEVAL INDIA - RISE OF THE CRESCENT OVER THE SUB-CONTINENT


ii) Medieval Deccan-Cultures at conflict -Bhamini Kingdom- Muhammed Gawan- Hindus reaction to the Muslim might in Deccan- Foundation of Vijaya Nagar - Krishna Deva Raya – His achievements - Society and culture under Vijaya Nagar - Fall of Vijaya Nagar - Battle of Talikotta (1665) - Impact of Vijayanagar on Tamil Nadu - The Nayak rulers of Tamil Nadu - their cultural contributions - Bakti Movement- Sankara - Ramanuja - Madhwa – Kabr - Guru Nanak - Chaitanya - Ramananda - Vallabha – others.

UNIT-V :THE SECOND PHASE OF ISLAMIC INDIA


ii) Declining phase of the Moghals- Reasons – Advent of the Europeans - Trade settlements - Laying foundation of the British colonial empire in India – Anglo - French rivalry - Carnatic Wars in the Peninsula – Bengal Affairs - Battle of Plassey (1757) and after.
UNIT VI: BRITISH EMPIRE- EXPANSION AND CONSOLIDATION


UNIT VII: PRE AND POST INDEPENDENT INDIA


SECTION B – WORLD THROUGH AGES

UNIT VIII: ANCIENT AND MEDIEVAL WORLD


UNIT IX: MODERN GLOBAL TRENDS


iii) Science and Modernism – Industrial and Agricultural Revolutions – Course – Results.

UNIT X: END OF AFRO-ASIAN COLONIAL EMPIRES AND GLOBAL PEACE

First World War - The League of Nations - Rise and fall of Japan in Asia – World War II - Emergence of People’s Republic of China( 1949)- UNO and its achievements.
PAPER-I
SANSKRIT(POST GRADUATE DEGREE STANDARD)
OBJECTIVE TYPE

Unit- I: Vedas and Vedāṅgas

Unit-II: Epics and Purāṇas
Epics - Rāmāyaṇa – Features of the epic literature- Authorship of the Rāmāyaṇa – date – Influence of Rāmāyaṇa on later Sanskrit Literature; Mahābhārata – Three Stages in the development of the Epic – Date –Critical Estimate – as a Dharma āstrā - Harivaṃśa– Upākhyānas – Influence of Mahābhārata on later Sanskrit Literature - Rāmāyaṇa and Mahābhārata as the National epics of India.

Purāṇas– Definition – Authorship – Date – Importance – Classification – Brief account of the Purāṇas – Upapurāṇas.

Unit –III: Pre Kālidāsa Kāvya Period – Kālidāsa – Post Kālidāsa Kāvya

Kālidāsa – Date of Kālidāsa – Raghuvamaṇḍapam, Kumārasambhava.

Post Kālidāsa Kāvya

Unit –IV: Lyric – Gnomic and Didactic Poetry – Didactic fable Anthology – Popular tale - Prose – Campū Literature
Features of the lyrics – Erotic Lyrics – Meghasandeca – Amaruṣataka - Gētagovindaand others - Devotional Lyrics- General Features – works of Çaikara, Rāmānuja and Vedāntadeçika - Nārāyaēyam - Karuēalahārē
gnomic and Didactic – General Features – Origin and development – works of Bhatāhari and Kṛnemendra – Anyāpadāeça,

Anthology : Features –Gātāsaptasati - Sadukti karēmāta

Didactic fable – General Features – Paçcatantra and Hitopadeça

Prose - Definition - Kathā and ākhyāyikā - Origin – Kādambarē, Vāsavadatta, Daçakumāracerita, Kathāsārītsarga.

Campū- definition Rāmāyaēacampū Bhāratacampū.

Popular tale - General features - Bāhatkathā- language - form-contents and date - abridgements- Buddhist tales- stories of Vikramādiyā and others.

Unit-V: Sanskrit Drama- Origin- Characteristics - Types, Bhāṣa and Kālidāsa- Post Kālidāsa Dramatists
Traditional view about the origin of Drama - early beginning – Greek origin – Definition and Characteristic Features – Types of Rūpaka and Upārūpaka.

Bhāṣa and Kālidāsa– Trivandrum plays – their authorship – Ahbijānaṇācākuntala.

**History** – Paucity of works on history discussed –Harñaçarita - Rājatharaïgëé– and others.  

**Unit – VI: Theories of Poetry and Drama**  

**Unit – VII: Grammar - Texts and Concepts**  

**Unit- VIII: Prosody and Lexicography ,Astronomy, Dharmaçāstra.**  
Upaveda- āyurveda- Gāndharvaveda Dhanurveda Arthaçāstra and Ancillary Sciences.  

**Prosody** – Vätta and jäti. Lexicons on Homonyms and Synonyms.  

**Astronomy** – General Features – Early Treatises – Five Siddhāntas— Indian Mathematics; Varāhamihira - āryabhaööa - Brahmagupta –Bhäskaräcärya.  

**Scope of the Upavedas** - āyurveda – General Principles, Nature of treatment – Caraka – cuñruta - Vāgbhaöa - Kämaçästra - Gāndharvaveda  

**Unit - IX: Bhäratéya Darçanas(Indian Philosophy, Religion – General Principles**  
Explanation and Scope of Philosophy – Nāstika and Āstika systems -  
Nāstika – Cārväka, Buddhism, Jainism; Āstika- Nyāya- Vaiçeñika, Sāàkhya, Yoga, Mēmāàsä - Pürva and Uttaramēmāàsä on later Sanskrit Literature a- sūtra texts and Commentaries – Independent treatises of these systems.  

**Unit -X: Epigraphy – Manuscriptology**  

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UNIT – I GENERAL 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, prevention and remedies-Communicable diseases and non- communicable diseases-Alcoholism and drug abuse-Animals, plants and human life-

UNIT – II CURRENT EVENTS


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

Geography - Geographical landmarks-Policy on environment and ecology.


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 & 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 bahanis - 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 POLITI


UNIT – VI INDIAN ECONOMY


UNIT – VII INDIAN NATIONAL MOVEMENT

National renaissance- Early uprising against British rule-1857 Revolt- Indian National Congress - Emergence of national leaders- Gandhi, Nehru, Tagore, Netaji -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 )

Annexure III  
Tentative Timeline for the Recruitment Process for the post of Curator (Shortfall vacancies)

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<thead>
<tr>
<th>Sl. No.</th>
<th>Process</th>
<th>Timeline</th>
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<tbody>
<tr>
<td>1.</td>
<td>Publication of Written Examination results</td>
<td>June 2019</td>
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<tr>
<td>2.</td>
<td>Certificate Verification</td>
<td>July 2019</td>
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<td>3.</td>
<td>Oral Test</td>
<td>July 2019</td>
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<tr>
<td>4.</td>
<td>Final Result</td>
<td>July 2019</td>
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Secretary