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 (SC) category through online mode up to 10.02.2019 for direct recruitment to the post of Sub-Inspector of Fisheries in the Tamil Nadu Fisheries Subordinate Service against the following shortfall vacancies:-

<table>
<thead>
<tr>
<th>Name of the Post and Post Code</th>
<th>Name of the Service and Service Code.</th>
<th>No. of vacancies</th>
<th>Scale of Pay</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sub-Inspector of Fisheries Department. (Code No.1760)</td>
<td>Tamil Nadu Fisheries Subordinate Service (Code No.031)</td>
<td>6 SC(G)</td>
<td>Rs.35,900 - 1,13,500/- (Level 13)</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]. One Time Registration will not be considered as an application for any post.

2. RULE OF RESERVATION

The reservation of appointment is applicable only for the Scheduled Caste (General) candidates. The Scheduled Caste (Arunthathiyar) candidates are also eligible to apply for Direct Recruitment to this post based on the inter-se merit between the Scheduled Caste candidates.

3. IMPORTANT DATES AND TIME

<table>
<thead>
<tr>
<th>Date of Notification</th>
<th>10.01.2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last date for submission of online application</td>
<td>10.02.2019</td>
</tr>
</tbody>
</table>

| Date of Written Examination | 04.05.2019 FN | 02.30 P.M. to 04.30 P.M |
| Paper – I Subject Paper (Degree / Diploma Standard) in concerned subject | 04.05.2019 AN | 10.00 A.M. to 01.00 P.M |
| Paper – II General Studies (Diploma Standard) | 02.30 P.M. to 04.30 P.M |
4. FEES

<table>
<thead>
<tr>
<th>Registration Fee</th>
<th>Rs.150/-</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 (M) Department, dated 01.03.2017)</td>
<td></td>
</tr>
</tbody>
</table>

**Note**

Those who have registered in the One-Time Registration system and paid the Registration fee of Rs.150/- and received the Registration ID need not pay the Registration fee i.e., Rs.150/- and it is enough to pay the Examination fee alone.

**Note**: Failure to pay the prescribed fee along with the application in-time, will result in the rejection of application.

5. ONE TIME REGISTRATION

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

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

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

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

6. QUALIFICATIONS

(A) AGE LIMIT (As on 01.07.2019)

<table>
<thead>
<tr>
<th>Category of Applicants</th>
<th>Maximum Age</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCs and SC(A)s</td>
<td>No maximum age limit</td>
</tr>
</tbody>
</table>

**Note**

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

[For further details regarding Age limit refer para 5 of "Instructions to Applicants" and Section 3(r) of Tamil Nadu Government Servants (Conditions of Service) Act, 2016]
(B) EDUCATIONAL QUALIFICATION (As on 10.01.2019)

The candidates should possess the following or its Equivalent qualification as on 10.01.2019 i.e. date of this Notification.

(i) Must possess the Associate Diploma in Fisheries Science of the Central Institute of Fisheries Education, Bombay.

OR

(ii) Must possess a Certificate of successful completion of the full course of Inland or Marine Fisheries classes conducted by the Government of India.

OR

(iii) Must possess a diploma in Fisheries Technology and Navigation awarded by the State Board of Technical Education and Training, Tamil Nadu.

OR

(iv) Must possess a Science Degree with Zoology as main subject awarded by any University or Institution recognised by the University Grants Commission.

OR

(v) Must possess a Degree of Bachelor of Fisheries Science awarded by any University or Institution recognised by the University Grants Commission.

Note:

In respect of 6 vacancies for the post of Sub Inspector of Fisheries, 60% of the vacancies (i.e. 4 vacancies) is to be filled by the holders of B.F.Sc Degree and 40% of the vacancies (i.e. 2 vacancies) is to be filled by the holders of other Qualifications specified above.

Special Qualification

In order of priority for appointment Engineers / Diploma holders / Craftsman direct recruitment first preference shall be given to persons who have completed one year of apprenticeship under the Government of India scheme or one year of training under the State Government Apprenticeship Scheme.

Note

i. The Degree qualification prescribed for this post should have been obtained by passing the required qualification in the order of studies, viz., SSLC+ HSC or its equivalent + UG Degree and the Diploma qualification prescribed for this post should have been obtained by passing S.S.L.C/H.S.C from the recognised Institutions as required under Section 25 of Tamil Nadu Government Servants (Conditions of Service) Act, 2016. (Results of the Examination should have been declared on or before the date of this Notification).

ii. Candidates claiming Equivalence of qualification to the prescribed qualification should submit evidence for Equivalence of qualification in the form of Government Order issued on or before the date of this Notification, failing which their application will be summarily rejected. The Government Orders issued declaring Equivalence of prescribed qualification after the date of this Notification will not be accepted. A list of Equivalence of qualification in the related subject is available in Annexure - I to this Notification. (Refer also to the Disclaimer annexed to this Notification).

[For further details regarding Equivalence of Qualification refer para 10 of the “Instructions to Applicants”]
(C) CERTIFICATE OF PHYSICAL FITNESS
Candidates selected for appointment to this 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</th>
<th>Form of Certificate of Physical Fitness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard III or Better (Applicants with defective vision should produce eye fitness certificate from qualified eye specialist.)</td>
<td>Form prescribed for ‘Other than Executive and Ministerial posts’</td>
</tr>
</tbody>
</table>

(D) KNOWLEDGE IN TAMIL
Applicants should possess adequate knowledge in Tamil on the date of this Notification.

[For details refer para 11 of the Commission’s “Instructions to Applicants”]

7. 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>Paper – I: Subject Paper (Any one of the following subjects in which the candidate acquired has the Degree / Diploma Qualification)</td>
<td>3 hours</td>
<td>300</td>
<td>SCs &amp; SC(A)s 171</td>
</tr>
<tr>
<td>(200 Questions)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(i) Zoology (Code No.270) (Degree Standard)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(ii) Fisheries Science (Code No. 328) (Degree Standard)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(iii) Fisheries Science (Code No. 327) (Diploma Standard)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paper – II: General Studies (100 Questions)</td>
<td>2 hours</td>
<td>200</td>
<td></td>
</tr>
<tr>
<td>General Studies (Diploma Standard) – 75 Questions AND Aptitude and Mental Ability (SSLC Standard) – 25 Questions</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>iii. Interview and Records</td>
<td>---</td>
<td>70</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>570</td>
<td></td>
</tr>
</tbody>
</table>
Note

(i) The Syllabi for Examination is furnished in the Annexure II of the Notification and also available in the Commission’s website www.tnpsc.gov.in

(ii) The Question paper for subjects in Fisheries Science (Both Degree and Diploma) mentioned in Paper – I will be set in English only and Question paper for Zoology (Degree Standard) mentioned in Paper – I and Paper - II will be set both in English and Tamil.

(iii) In the online application, applicants should choose and specify any one of the subjects mentioned on the ‘Scheme of Examination’ in which they had obtained the Degree or Diploma qualification.

8. EXAMINATION CENTRES

Examination will be held at the following centres :-

<table>
<thead>
<tr>
<th>Name of the Centre</th>
<th>Centre Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chennai</td>
<td>0100</td>
</tr>
<tr>
<td>Madurai</td>
<td>1000</td>
</tr>
<tr>
<td>Coimbatore</td>
<td>0200</td>
</tr>
</tbody>
</table>

Note

(i) Candidates 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 candidates with respect to the number of candidates opted for each centre.

[For further details refer paragraph 22 (b) of “Instructions to Applicants”]

9. 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 in the Written Examination and Oral Test taken together subject to the rule of reservation of appointment. Candidate’s appearance in both the papers of the Written Examination and in the Oral Test is compulsory. A candidate who has not appeared in any one of the papers in Written Examination or Oral Test will not be considered for selection, even if he/she secures qualifying marks in the Written Examination or Oral Test. Based on the marks obtained by the candidates in the Written Examination, the tentative list of eligible candidates for Certificate Verification will be announced in the Commission’s website. After verification of the original certificates, the eligible candidates will be summoned for Oral Test following the rule of reservation of appointment.

[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’
10. NO OBJECTION CERTIFICATE / INFORMATION TO THE EMPLOYER

No Objection Certificate obtained from appropriate authority shall be produced at the time of Certificate Verification/ Counselling. No Objection Certificate should be produced in the format prescribed under para 15 (g) of Commission’s "Instructions to Applicants". Any violation of this instruction will be liable for rejection of application and forfeiture of his/her Candidature.

11. GENERAL INFORMATION

A. The selection for appointment to this post is purely provisional subject to final orders pending on the Writ Petitions, if any, filed before the Hon'ble Madras High Court and Madurai Bench of Madras High Court.

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

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

D. 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 submission of online 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 candidate for a Government appointment in such cases must be produced at the stage / time of Certificate Verification without fail. All such events that occur after the submission of application and till the date of his / her selection and appointment shall be reported to the Commission forthwith then and there. Failure to report on the part of candidate will be considered as suppression of material information and will attract suitable penal action.

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

F. 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.

12. OTHER IMPORTANT INSTRUCTIONS

a) Candidates should ensure their eligibility for Examination: The applicants applying for the Examination should go through all instructions carefully and ensure that they fulfill all eligibility conditions for admission to Examination. Their admission to all stages of the Examination will be purely provisional subject to satisfaction of the eligibility conditions. Mere issue of memo of admission to the applicant will not imply that his/her Candidature has been fully cleared by the Commission.
b) The **Hall Tickets** for eligible candidates will be made available in the Commission’s website [http://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 candidates. **Hall Tickets will not be sent by post.** Hence, the candidates should watch Commission’s website before the scheduled date of Examination. The candidates must comply with each and every instruction given in the Hall Ticket.

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

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

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

i. Except the permitted writing material (i.e. pen), applicants are not allowed to bring cellular phones, electronic or any other type of calculators, watches and rings with inbuilt memory notes, recording devices either as a separate piece or part of something used by the applicant such as watch or ring etc or any other electronic devices and non-electronic devices such as P&G design data book, mathematical and drawing instruments, log tables, stencils of maps, slide rules, books, notes, loose sheets, rough sheets, hand bags etc., into the Examination Hall / Room.

ii. If they are found to be in possession of any such thing or instrument, they will not be allowed to write the Examination further, besides invalidation of answer paper and / or debarment. If it is considered necessary they will be subjected to thorough physical search including frisking on the spot. (For further details refer “Instructions to Applicants”).

iii. Candidates are advised in their own interest not to bring any of the banned items including Mobile Phones to the Venue of the Examination, as arrangements for safekeeping cannot be assured.

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

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

h) **UNFAIR MEANS STRICTLY PROHIBITED:** No candidate shall copy from the papers of any other candidate or permit his/her papers to be copied or give or attempt to give or obtain or attempt to obtain irregular assistance of any description. [For further details refer “Instructions to Applicants”].
i) CONDUCT IN EXAMINATION HALL: No candidate 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.

13. HOW TO APPLY

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

(ii) ‘One-Time Registration’ (OTR) and ‘Applicant’s Dashboard’ are mandatory before applying for any post. Applicant should register only once in the One-Time Registration by paying Rs.150/- as Registration fee. Successfully registered One-Time Registration is valid for 5 years from the date of registration. All the applications should be submitted using the One-Time Registration ID and password registered by the applicant.

(iii) To apply under One-Time Registration, applicants should have scanned image of their photograph, certificate specified, if any and signature in CD/DVD/Pen Drive to upload the same, as per the specifications given in the guidelines for scanning and uploading of photograph and signature.

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

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

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

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

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

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

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

c) Candidates need not send the printout of the online application or any other supporting documents to the Commission. The application and certificates will be verified only when the candidates come up for Certificate Verification.

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

14. UPLOAD / SUBMISSION OF DOCUMENTS

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

15. LAST DATE FOR SUBMITTING ONLINE APPLICATION

The Online Application can be submitted up to 10.02.2019 till 11.59 p.m., after which the link will be disabled.

[For detailed information, applicants may refer Commission’s “Instructions to Applicants” in the Commission’s website www.tnpsc.gov.in]
**Warning**

- All the Recruitments conducted by the Tamil Nadu Public Service Commission are purely merit based.
- Tamil Nadu Public Service Commission hereby cautions the candidates against touts and agents who cheat 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.

**சங்கில்வகை**

- செயலர்களால் சொந்தமான விளைவுக்குரியதான் கால மற்றும் விளையாடும்போது பயன்பட்டுள்ள விளைவுக்குரியதான்.
- பெருமளவு பாதுகாப்புகளை இல்லாத நோய், உறுதி போன்ற விளையாட்டுத் துறவர் கால தொடர்பு போன்ற விளையாடும்போது செயலர்கள் விளையாடும்போது பயன்பட்டுள்ள விளையாடும்போது.
- சேகரங்கள் தலைவரால் வீழ்த்தவும் செயலர்களை விளையாடும்போது செயலர்கள் விளையாடும்போது பயன்பட்டுள்ள விளையாடும்போது.

Secretary
DISCLAIMER

“The Government Orders relating to Equivalence of Qualification are available in the Tamil Nadu Public Service Commission’s website. However, the applicants while applying for the Examination should furnish the details of Equivalence of Qualification declared in the form of Government Orders issued on or before the date of this Notification if any, which are not mentioned in Annexure - I to the Notification and produce the same while submitting the documents, failing which their Application will be rejected. The Government Orders issued regarding Equivalence of prescribed qualification after the date of this Notification will not be accepted.”

Secretary
## ANNEXURE-I

The following qualifications are declared as Equivalent.

<table>
<thead>
<tr>
<th>S.No</th>
<th>Qualification</th>
<th>G.O in which ordered</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>भारतीय भाषा विभाग स्नातक (बी.एच.एम. विज्ञान विषय)</td>
<td>G.O.(Ms).No.254, Personnel and Administrative Reforms (R) Department, dated 22.10.98</td>
</tr>
<tr>
<td></td>
<td>(B.Sc Microbiology) भारतीय भाषा विभाग छात्र (बी.एच.एम. विज्ञान विषय)</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>पादक विभाग विभाग पादक (बी.एच.एम. विज्ञान विषय)</td>
<td>G.O.(Ms).No.75, Personnel and Administrative Reforms (M) Department, dated 30.06.2011.</td>
</tr>
<tr>
<td></td>
<td>भारतीय भाषा विभाग स्नातक (बी.एच.एम. विज्ञान विषय)</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>मिश्रीय विभाग विभाग पादक (बी.एच.एम. विज्ञान विषय)</td>
<td>G.O.(Ms).No.104, Higher Education (H2) Department, dated 22.06.2012.</td>
</tr>
<tr>
<td></td>
<td>भारतीय भाषा विभाग स्नातक (बी.एच.एम. विज्ञान विषय)</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>भारतीय भाषा विभाग स्नातक (बी.एच.एम. विज्ञान विषय)</td>
<td>G.O.(Ms).No.58, Higher Education (K2) Department, dated 15.04.2013.</td>
</tr>
<tr>
<td></td>
<td>भारतीय भाषा विभाग स्नातक (बी.एच.एम. विज्ञान विषय)</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>मिश्रीय विभाग विभाग पादक (बी.एच.एम. विज्ञान विषय)</td>
<td>G.O.(Ms).No.117, Higher Education (K2) Department, dated 02.07.2013.</td>
</tr>
<tr>
<td></td>
<td>भारतीय भाषा विभाग स्नातक (बी.एच.एम. विज्ञान विषय)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>भारतीय भाषा विभाग स्नातक (बी.एच.एम. विज्ञान विषय)</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>मिश्रीय विभाग विभाग पादक (बी.एच.एम. विज्ञान विषय)</td>
<td>G.O.(Ms).No.27, Higher Education (K2) Department, dated 13.02.2014.</td>
</tr>
<tr>
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<td>भारतीय भाषा विभाग स्नातक (बी.एच.एम. विज्ञान विषय)</td>
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<td>मिश्रीय विभाग विभाग पादक (बी.एच.एम. विज्ञान विषय)</td>
<td>G.O.(Ms).No.112, Higher Education (K2) Department, dated 18.07.2014.</td>
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<td>भारतीय भाषा विभाग स्नातक (बी.एच.एम. विज्ञान विषय)</td>
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<td>9.</td>
<td>भारतीय भाषा विभाग स्नातक (बी.एच.एम. विज्ञान विषय)</td>
<td>G.O.(Ms).No.116, Higher Education (K2) Department, dated 22.07.2014.</td>
</tr>
</tbody>
</table>
UNIT I
Non-Chordata: General organisation - Classification with diagnostic features upto classes. Evolutionary relationship among taxa, symmetry.
Protozoa: Structure, reproduction and life history of Amoeba, Paramecium, Trypanosoma, Plasmodium, Monocystis, Leishmania - locomotion, nutrition, economic importance. Porifera: Sponges canal system, skeleton, reproduction and economic importance.

UNIT II
Prochordata: Amphioxus, Balanoglossus - Ascidian retrogressive Metamorphosis, neoteny and affinities.
Chordata: General Organisation - Characters, Outline, classification upto class level.
Pisces: Locomotion, migration, respiration, Parental care, economic importance; structure and affinities of dipnoi.
Birds: Origin - flight adaptations - mechanism of flight - double respiration - migration - Flightless birds.

UNIT III
UNIT IV

UNIT V

UNIT VI

UNIT VII
UNIT VIII

UNIT IX
Economic Zoology: Parasitism and Commensalism - Protozoan Parasites and diseases, helminthes parasites and diseases of man and domestic animals; Beneficial and harmful insects. Insect pests on crops and stored products - Control methods. IPM. Sericulture, apiculture, lac culture, seaweed culture, vermiculture, - oyster culture and pearl formation, poultry, pisciculture and induced breeding, Shell fisheries, Aquaculture practices in Tamil Nadu and their impact on the environment and on agriculture.

UNIT X
Instrumentation and Bio-techniques: Microscopy-Phase contrast, fluorescent, TEM, SEM. Colorimetric techniques, Centrifugation techniques. Fixation, staining techniques. Electrophoretic techniques: Principles, AGE and PAGE. DNA finger printing, RFLP, RAPD and AFLP.

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PAPER-I
FISHERIES SCIENCE (DEGREE STANDARD)
SUBJECT CODE: 328

UNIT- I: FISH BIOLOGY, FISH PHYSIOLOGY & FISH GENETICS

UNIT- II: MARINE FISHERIES AND POPULATION DYNAMICS
Commercially important marine fisheries of world; India, shellfish, crustacean and seaweed resources of India; fish population dynamics – Vonbertalanf’y’s growth equations- growth and mortality parameters – Maximum sustainable yield –Maximum economic yield- CPUE-Yield per recruit- fish stock assessment soft wares - growth overfishing-recruitment overfishing - Closed season –mesh size regulation.

UNIT- III: AQUACULTURE, ORNAMENTAL FISH CULTURE AND FISH DISEASES

UNIT-IV: LIMNOLOGY, AQUATIC ECOLOGY AND BIODIVERSITY, FISHERY OCEANOGRAPHY, AQUATIC POLLUTION, COASTAL ZONE MANAGEMENT
Physico – chemical characteristics of fresh water bodies; lentic and lotic systems, flora and fauna, classification of lakes based on origin, productivity & mixing of water; phytoplankton and zooplankton, nekton, benthos, Estimation of primary production; Components of aquatic ecosystems, food chain, energy flow, animal association; Ecological niches – lagoons, estuaries, mangroves, coral reefs, flood plains, wet lands- exotic species- endangered species, conservation of habitats Marine zones – physical properties of sea water –chemistry of sea water- waves, tides, currents, El -Nino, Ekman spiral, upwelling; Aquatic pollution - BOD,COD, oxygen demanding waste, eutrophication-sewage pollution, red tide- oil pollution, pesticide pollution, thermal pollution, radioactive pollution- biological indicators of pollution; Application of GIS in aquatic resource identification- remote sensing for coastal management-CRZ - Environmental Impact Assessment.
UNIT- V: FISHERIES ECONOMICS, STATISTICS, FISHERIES MARKETING & FISHERIES EXTENSION
Theories of demand and supply, market equilibrium, production function in capture and culture fisheries, Economics of fishing and fish farming, fish marketing; marketing channel, export and import policies; mean, median, mode standard deviation, bar diagram, pie diagram, histogram, frequency polygon, primary and secondary data for statistical analysis, correlation co-efficient, linear regression; extension teaching methods and use of audiovisual aids in extension activities, individual group and mass contact methods.

UNIT - VI: FISHING GEAR TECHNOLOGY, FISHING CRAFT TECHNOLOGY & NAVIGATION AND SEAMANSHIP

UNIT – VII: REFRIGERATION AND EQUIPMENT ENGINEERING, MARINE ENGINES
Laws of thermodynamics-vapour compression refrigeration- vapour absorption refrigeration- Compressor, evaporator, condenser – Freezers – plate, blast, tunnel- refrigerated- coefficient of performance sea water systems; Types and functions – operation and maintenance of various processing equipments-types of diesel engines and their working principles – outboard engines.

UNIT – VIII: FISH IN NUTRITION, FISH PROCESSING TECHNOLOGY

UNIT- IX: FISH PACKAGING TECHNOLOGY, FISH PRODUCTS AND VALUE ADDITION
UNIT- X: MICROBIOLOGY OF FISH AND FISHERY PRODUCTS, QUALITY ASSURANCE OF FISH AND FISHERY PRODUCTS

Source and types of microorganisms in fish and fishery products-Indicators of microbiological quality of fish and fishery products-nutritive values of processed seafood. Quality dimensions of sea food-assessment of quality changes in fresh and iced fish and during processing-application of HACCP concept in quality assurance-Role of EIA and MPEDA in fish and fishery products- Certification system for fish and fishery products —sea food safety — authenticity — traceability.

************
UNIT –I: FISHERY BIOLOGY
Classification of fishes – Morphometric and Meristic Characters – Length weight Relationship- Food and Feeding Habits – Reproductive Biology- Fish Physiology – Developmental Biology of Fin Fish, Shell fishes – Aquatic Ecology.

UNIT –II: INLAND & MARINE FISHERIES

UNIT –III: NAUTICAL TECHNOLOGY

UNIT – IV: FISH PROCESSING TECHNOLOGY

UNIT –V: AQUACULTURE

UNIT – VI: OCEANOGRAPHY AND METEOROLOGY

UNIT –VII: FISHING GEAR AND CRAFT TECHNOLOGY

UNIT –VIII: FISHERY ECONOMICS
UNIT –IX: FISHERIES RESOURCE MANAGEMENT AND ADMINISTRATION

UNIT –X: FISHERY ELECTRICAL AND ELECTRONIC ENGINEERING

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GENERAL STUDIES (DIPLOMA STANDARD)

Unit-I GENERAL SCIENCE


**Chemistry** - Elements and Compounds-Acids, bases and salts-Fertilizers, pesticides, Insecticides.

**Botany** - Main Concepts of life science-Classification of living organism-Nutrition and dietetics-Respiration.

**Zoology** - Blood and blood circulation-Reproductive system-Environment, ecology, health and hygiene-Human diseases, prevention and remedies-Animals, plants and human life.

Unit- II. CURRENT EVENTS


**Political Science**-Problems in conduct of public elections-Political parties and political system in India-Public awareness & General administration-Welfare oriented govt. schemes, their utility.

**Geography**-Geographical landmarks.

**Economics** -Current socio-economic problems.

**Science**- Latest inventions on science & technology.

Unit- III. GEOGRAPHY


Unit-IV. HISTORY AND CULTURE OF INDIA AND TAMIL NADU

Indus valley civilization-Guptas, Delhi Sultans, Mughals and Marathas-Age of Vijayanagaram and the bahmanis-South Indian history-Culture and Heritage of Tamil people-India since independence-Characteristics of Indian culture-Unity in diversity – race, colour, language, custom-India-as secular state-Growth of rationalist, Dravidian movement in TN-Political parties and populist schemes.

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- Local government – panchayat raj – Tamil Nadu- Judiciary in
India – Rule of law/Due process of law-. Elections-. Official language and Schedule-VIII-. Corruption in public life-. Anti-corruption measures –CVC, lokadalats, Ombudsman, CAG-Right to information- Empowerment of women- Consumer protection forums.

**Unit-VI. INDIAN ECONOMY**

**Unit-VII. INDIAN NATIONAL MOVEMENT**
National renaissance--Emergence of national leaders-Gandhi, Nehru, Tagore-Different modes of agitations-Role of Tamil Nadu in freedom struggle Rajaji, VOC, Periyar , Bharathiar & others.

**Unit-VIII - APTITUDE & MENTAL ABILITY TESTS (SSLC STANDARD)**

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Annexure - III

Tentative Timeline for the Recruitment Process for the post of Sub-Inspector of Fisheries

<table>
<thead>
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<th>Sl. No.</th>
<th>Process</th>
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<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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<tr>
<td>3.</td>
<td>Oral Test</td>
<td>July 2019</td>
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<td>4.</td>
<td>Final Result</td>
<td>July 2019</td>
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Secretary