



**ODISHA STAFF SELECTION COMMISSION**  
Unit – II, Bhubaneswar – 751009

Advertisement No. JIE-44/2025- 728 /OSSC Date: 02.03.2026.

**DETAILED ADVERTISEMENT FOR COMBINED HIGHER SECONDARY (10+2) LEVEL OR EQUIVALENT RECRUITMENT EXAMINATION FOR SPECIALIST POSTS/ SERVICES 2025 UNDER DIFFERENT DEPARTMENT/ HEADS OF DEPARTMENTS(HODs) OF GOVERNMENT OF ODISHA.**

(POST CODE:367)

(WEBSITE: [www.osscc.gov.in](http://www.osscc.gov.in))

**1. Application Invited:**

	Start Date	End Date
Online Registration and Payment of examination fees	06.03.2026	05.04.2026
Submission of Online Application Form	06.03.2026	08.04.2026
Date of Editing Online Application Form	06.03.2026	11.04.2026
Mode of Application	Online Mode only through the website " <a href="http://www.osscc.gov.in">www.osscc.gov.in</a> ". No Physical copy/Hard copy of the Online Application Form needs to be submitted by the applicant.	

- Recruitment shall be guided by "**Combined Higher Secondary (10+2) Level or Equivalent Recruitment Examination for Specialist Posts/ Services Rules, 2022**" as amended from time to time.
- Applications are invited through online mode only through the OSSC website "[www.osscc.gov.in](http://www.osscc.gov.in)" for recruitment to fill up the vacancies reported by different Departments & Heads of Departments(HoDs) under Govt. of Odisha as follows.

Sl. No	Name of the Post/Services	Name of the Department/ Heads of Department in which vacancy exists for this recruitment	No. of Vacancy (out of which women)	Group of Posts/Services	Pay Matrix Level
1	Amin ,District Offices ( State Cadre)	Engineer-In-Chief, Water Resources, Odisha, Bhubaneswar	15 (W-06)	Group-C	Level-3 (Cell-1) of ORSP, 2017
2	Junior Fisheries Technical Assistant ( State Cadre)	Directorate of Fisheries, Odisha, Cuttack	15 (W-05)	Group-C	Level-3 (Cell-1) of ORSP, 2017
3	Junior Forensic Attendant (State Cadre)	State Forensic Science Laboratory, Odisha, Bhubaneswar	94 (W-30)	Group-C	Level-3 (Cell-1) of ORSP, 2017

- c. Candidates must possess a valid e-Mail Id and Mobile number while applying for the post and keep the same active till the completion of this recruitment process, to receive important messages from the Commission.
- d. **The appointment will be only against one of the posts carrying the corresponding pay as indicated in the above table and candidates need to give options for the posts/services at the time of submission of Online Application Form.**
- e. The candidates other than SC, ST and PwD category shall have to pay the Examination fee of Rupees Five Hundred (₹500/- only). The examination fee paid shall be refunded to the candidates who actually appear in the recruitment examination.
- f. Appointments shall be on regular basis carrying the level of Pay as mentioned in the table above.
- g. Candidates should ensure that they fulfil all the eligibility criteria prescribed for the post as laid down in the advertisement. Admission of a candidate to the written examination and other tests shall be provisional and based on the information furnished by her/him in the Online Application Form.
- h. Online applications submitted to OSSC found to be incomplete in any respect are liable for rejection without entertaining any correspondence with the applicants on that matter.
- i. If at any stage of recruitment or thereafter, it is found that any information furnished by the candidate in her/his Online Application Form is false/incorrect or the candidate has suppressed any relevant information or the candidate otherwise does not satisfy the eligibility criteria prescribed for the post, her/his candidature for the posts shall be cancelled. She/ He may further be debarred either temporarily or permanently from the recruitment examination(s) conducted by the Commission.
- j. Commission will adopt a **“Normalisation Formula”** published in Commission’s website vide Notice No.2444/ OSSC dated 02.09.2021 for processing the result if any examination is conducted through CBRE (Computer Based Recruitment Examination)/OMR in multiple batches using different sets of question papers so as to offset the difficulty level that may arise in such use of multiple sets of question papers in the said examination, and such normalized score will be used to determine the last selection marks of different categories. The Commission at its discretion will conduct the examination either through OMR or through CBRE mode.
- k. No Admission Letter for recruitment at any stage shall be sent by post. The candidates are therefore advised to be in touch with the Commission’s website [www.osscc.gov.in](http://www.osscc.gov.in) regularly to know updates regarding the status of their application, downloading of Admission Letter and the date of examination etc.

- l. The candidates are advised to submit the Online Application Form well in advance without waiting for the closing date to avoid the last-hour rush.
- m. As regards the candidates applying for more than one post/ service as per their eligibility, the Commission will make the final allotment to post/ service on the basis of merit-cum-preference of post/ service given by the candidate. Once a post is allotted, no change of posts will be made by the Commission due to non-fulfilment of any post-specific requirements of Physical/medical/educational standards, etc. Candidates thus must ensure that they fulfil all the requirements of the posts before giving their preference/options for any post/ service.
- n. The applicant must have possessed requisite qualification for the post on the closing date of Online Application.

**NOTE: Important instructions to candidates about filling up of Online Application and "How to Apply" are enclosed as Annexure-A to this advertisement.**

**2. a. Category-wise break -up of vacancy positions along with reservation thereof:**

Sl. No.	Name of Posts/Services	Name of Office/ Department	Category wise Vacancy					Special Category Vacancy		
			UR (Out of which women)	SEBC (Out of which women)	SC (Out of which women)	ST (Out of which women)	Total (Out of which women)	PwD (Out of which women)	Ex-SM	Sports Person
1	Amin (District Offices) State Cadre	Engineer-In-Chief, Water Resources, Odisha, Bhubaneswar	08 (w-03)	02 (w-01)	02 (w-01)	03 (w-01)	15 (w-06)	01	01	Nil
2	Junior Fisheries Technical Assistant (JFTA) State Cadre	Directorate of Fisheries, Odisha, Cuttack	04 (w-01)	03 (w-02)	03 (w-01)	05 (w-01)	15 (w-05)	03 (w-03)	03	Nil
3	Junior Forensic Attendant (State Cadre)	State Forensic Science Laboratory, Odisha, Bhubaneswar	46 (w-15)	11 (w-03)	15 (w-05)	22 (w-07)	94 (w-30)	04 (w-01)	03	01

UR: Unreserved

SEBC: Socially and Educationally Backward Class

SC: Scheduled Caste

ST: Scheduled Tribe

W: Women

**NOTE:**

1. Candidates belonging to the Transgender community are also eligible to apply.
2. The number of vacancies and other conditions of vacant posts to be filled up on the basis of this recruitment are subject to change without any prior notice as per the discretion of the Commission, the Requisitioning Authorities or the Government.

**b. Reservation Position for Special Category for the posts shown below:**

Sl. No.	Name of the Posts/ Services	Special Category						
		Ex-Service men (ESM)	Sports Person	Persons with Disability (PwD)				
				Total PwD Vacancy (Out of which Women)	Category, No. of Vacancy & Benchmark of Disability	Functional Classification	Physical Requirements	
1	Amin (District Offices ) State Cadre	01	Nil	01	Cat-II-01	Cat-II-HI with suitable Aid	HI (with suitable Aid)	S, ST, W, BN, MF, SE, RW, II
2	Junior Fisheries Technical Assistant (JFTA) State Cadre	03	Nil	03 (w-03)	Cat-II-02 Cat-III-01	Cat-II-HI with suitable Aid Cat-III-OH One Leg affected (R/L), Both Leg affected not Arms (mobility not be restricted), One Arm affected(R/L) (a) Impaired Reach (b) Weakness of grip (c) Ataxia	HI (with suitable Aid), OL, BL(MNR), OA	H, SE, ST, S, W
3	Junior Forensic Attendant (State Cadre)	03	01	04 (w-01)	Cat-II-02 Cat-III-01 Cat-IV-01	Cat-II Deaf and Hard of hearing Cat-III-OH One Arm, One Arm & Leg, Cerebral Palsy, Leprosy Cured, Dwarfism, Acid Attack Victims Cat-IV Specific learning disability, Mental illness, Multiple disabilities of PwDs having the combination of disabilities from the above categories.	Deaf and Hard of hearing, OA, OA & OL, SLD, MI, MD	S, ST, W, B N, MF, RW, SE

**NOTE:**

1. As per the Social Security & Empowerment of Persons with Disabilities Department, Govt. Of Odisha Resolution No.1843/SSEPD Dtd.25.02.2021, the PwD candidates having disability of permanent nature, not below 40% in the following categories and types of disabilities who are suitable to apply for the post are shown below:-

Sl No.	Name of Post	Types of Disability/ Functional Classification	Physical Requirements to Perform the work
1	Amin (District Offices ) State Cadre	Category-II-Hard of Hearing with suitable Aid	MF, BN, S, H, W, ST, SE, RW
2	Junior Fisheries Technical Assistant (JFTA) State Cadre	Category-I - Low vision Category-II-Partially deaf Category-III- One Leg affected (R/L), Both Leg affected not Arms (mobility not be restricted), One Arm affected(R/L) (a) Impaired Reach (b) Weakness of grip (c) Ataxia Categories-IV will include multiple disability categories of PwDs having the combination of disabilities from the above categories.	H, SE, ST, S, W
3	Junior Forensic Attendant (State Cadre)	Cat-II Deaf and Hard of hearing Cat-III-OH One Arm, One Arm & Leg, Cerebral Palsy, Leprosy Cured, Dwarfism, Acid Attack Victims Cat-IV Specific learning disability, Mental illness, Multiple disabilities of PwDs having the combination of disabilities from the above categories	S,ST,W,BN,MF,RW,SE

Code	Physical Requirement
MF	Work performed by manipulating (with fingers)
H	Work performed by hearing/speaking
ST	Work performed by standing
W	Work performed by walking
SE	Work performed by seeing
R & W	Work performed by reading and writing
S	Work performed by sitting on Bench or Chair
BN	Work performed by bending

**c. Provision of assistance of Scribe**

PwD candidates with disabilities not less than 40% of permanent nature and limitations in writing have the option to use her/his own scribe with due permission of the Commission. The intending candidates must give option for scribe in the appropriate place while filling up of the Online Application Form and will have to submit the required certificate/ documents prescribed in the **Advisory Notice No.3453/OSSC dated 24.10.2019** published by the Commission which is available on the website of the Commission "[www.osscc.gov.in](http://www.osscc.gov.in)". The PwD candidates not availing scribe assistance in the Preliminary Examination will not be allowed for the same in the Main Written Examination.

- d. PwD candidates must ensure that they possess permanent disability certificate and must upload the scanned copy of the Online Certificate (not photocopy) UDID card issued by the competent authority.
- e. In case of non-availability of eligible/suitable Women candidates belonging to the respective categories the unfilled vacancies of that category shall be filled up by eligible suitable male candidate(s) of the same category.
- f. The number of vacancies and reservation of Vacancies to be filled up on the basis of this recruitment are subject to change without any prior notice as per the discretion of the Commission/ the Requisitioning Authorities/ the Government.

### 3. Eligibility:

#### a. General criteria of eligibility: -

Candidates applying for the above post should be

- a citizen of India,
- of good character,
- of sound health, good physique and free from organic defects or bodily infirmity
- If married, must not have more than one spouse living
- Must be able to read, write and speak Odia fluently and:-
  - i. Must have passed Middle School Examination with Odia as language subject,  
OR
  - ii. Must have passed HSC Examination or equivalent examination with Odia as Medium of examination in non-language subject,  
OR
  - iii. Must have passed in Odia as language subject in the final examination of Class-VII or above from a school or educational institution recognised by the Govt. Of Odisha or the Central Govt.,  
OR
  - iv. Must have passed a test in Odia in Middle English School standard conducted by the School and Mass Education Department, Govt. Of Odisha.

#### b. Educational Qualification prescribed for the post:

The Educational Qualification essential for different posts are as follows:

Sl. No.	Name of the post	Essential Educational Qualification
1	Amin (District Offices ) State Cadre	+2 Arts/Science/Commerce or such other qualification as are equivalent to +2 examination with certificate on basic Computer Skill from a recognized institution.
2	Junior Fisheries Technical Assistant (JFTA) State Cadre	+2 Vocational (Fisheries) from CHSE/University and must know swimming well provided that when vocational (Fisheries) not available, candidates with +2 Science

		qualification will be eligible.
3	Junior Forensic Attendant (State Cadre)	+2 Science from a recognized Educational Board or Institution.

**Note:-**

1. Candidates having educational qualification as +2 Vocational (Fisheries), who apply ONLY for the post of Junior Fisheries Technical Assistant, will be required to upload their +2 Vocational (Fisheries) educational qualification certificate at the time of filling of online application form. Such candidates (if possessing requisite educational qualification certificate) may not be asked to write the preliminary examination and may directly be eligible to write the Main Written Examination.

2. Candidates having educational qualification as +2 Vocational (Fisheries) or +2 Science or other requisite qualification essential for other posts, who apply for other post/(s) along with the post of Junior Fisheries Technical Assistant will have to write the preliminary examination for such other posts.

3. Candidates who apply for the post of Junior Fisheries Technical Assistant must know swimming well. He/she has to declare to this effect in the online application form.

**c. Age:**

Sl. No.	Name of the post	Minimum Age as on 01.01.2025	Maximum Age as on 01.01.2025
1	Amin	21 Years	42 Years
2	Junior Fisheries Technical Assistant	21 Years	42 Years
3	Junior Forensic Attendant	21 Years	42 Years

However, the upper age limit is relaxable by 5 years for candidates belonging to SEBC, SC, ST and all Women candidates, 10 years for candidates belonging to PwD category and the total period of service rendered in defence service in case of Ex-Servicemen. PwD candidates in the ST and SC category shall be entitled to cumulative age relaxation of ten years over and above the normal relaxation specified for the category. However, a candidate who comes under more than one category shall be eligible for only one benefit of age relaxation as per rule which will be more beneficial to her/him. Candidates not enjoying any relaxation of upper age limit, must not have been born earlier than **2<sup>nd</sup> January 1983** and not later than **1<sup>st</sup> January 2004**.

**d. Note for Ex-Servicemen-** Once an Ex-Serviceman has joined the Govt. Service in civil side after availing the benefit as an Ex-Serviceman for his re-employment, his Ex-Serviceman status for the purpose of re-employment in Govt. Jobs shall cease to exist. He can avail age relaxation only. However as per clause-4 of the O.M. No. 36034/2014-Estt. (Res) dt.14 August 2014 of

Ministry of Personnel, Public Grievances and Pensions, Department of Personnel and Training, Government of India, if an Ex-Serviceman applies for various posts before joining any civil employment, he/she can avail of the benefit of reservation as Ex-Serviceman for any subsequent employment, provided the applicant as soon as joins any civil employment, should give self-declaration/undertaking to the concerned employer about the date-wise details of application for various posts for which he/she had applied for before joining. The applicant should furnish the copy of above declaration duly endorsed by the employer on the date of Document Verification for consideration of the claim under Ex-Serviceman category.

(NOTE: Border Security Force, Indian Coast Guard, CRPF and other Para Military Forces are not within the definition of Ex-Servicemen.)

- e. The persons in Defence Forces who are to retire within six months from the last date of Online Application form are eligible to apply on obtaining NOC from the Appropriate Authority indicating there in the date of enrolment and expected date of discharge and year of service rendered in Defence Forces. They should note that they must submit the discharge certificate on the date of certificate verification.
- f. Sports person candidates claiming reservation must submit sports ID Card issued by Director of Sports and Youth Service Department, Government of Odisha.
- g. Only Date of Birth entered in the High School Certificate Examination by the Board of Secondary Education, Odisha or equivalent Certificate issued by the recognised Board/Council/ by an Indian University as equivalent there to shall be acceptable by the Commission.
- h. A candidate who claims change in her/his name after having passed the High School Certificate Examination is required to furnish copy of publication of the changed name in local leading daily newspaper as well as copy of notification in the Odisha Gazette in support of her/his change of name.

**4. Examination fee, Mode of payment and Refund:**

As per Odisha Payment of recruitment examination fees and Refund Rules, 2025 published vide Government in GA & PG Department Notification No.34124-GAD-SC-rules-2020/2025/Gen dated 10<sup>th</sup> October 2025, the candidates other than SC,ST and PwD category shall have to pay the Examination fees.

The candidates other than SC,ST and PwD category shall deposit the examination fees amounting to Rupees Five Hundred (₹ 500/-) only through online mode in Odisha Treasury portal linked with the online application form. The examination fees paid shall be refunded to those candidates who actually appear in the first stage of the recruitment examination.

Applications without payment of examination fees (except SC/ST/PwD candidates) will be taken as incomplete and shall be liable for rejection.

All candidates must clearly mention their bank account details i.e Account Number, IFSC code, Name of the Account holder and Name of the Bank Branch in the required field in the online application form for receiving the refundable examination fees (Rs.500/-). The Bank Account must be a valid/active one. The responsibility for furnishing the correct bank account details lies with the candidates and the Commission (OSSC) shall not entertain any correspondence from any candidate in this regard.

#### 5. Plan and Pattern of Examination:

The Recruitment process for the posts consists of the following three stages.

Stages of Examination	Type of Examination	No. of Paper	Total Marks	Remarks
Stage-I	Preliminary Examination (OMR/CBRE)	One paper Detail Syllabus of Preliminary Examination is published at Annexure 'C'	150	<ul style="list-style-type: none"> <li>• The question will be of MCQ type.</li> <li>• There shall be negative marking @ 0.25 marks for each wrong answer.</li> <li>• Candidates numbering a minimum of 5 times of number of vacancies category wise shall be shortlisted for the Main Written Examination.</li> <li>• The Commission at their discretion may fix minimum qualifying mark in different stages of Examination in different categories.</li> </ul>
Stage-II	Main Written Examination (OMR/CBRE)	Technical Paper- There shall be a Technical Paper as per qualification prescribed for the post. Detail Syllabus of Main Written Examination is published at Annexure 'C'	200	Candidates numbering 2(two) times the vacancies advertised in each category, in each post in order of merit basing on the marks in Written Examination shall be shortlisted for the verification of original documents.
Stage-III	Certificate Verification			A candidate who fails to attend the document verification, his/her name will not be considered for the post.

**NOTE:** In pursuance of GA and PG Department Notification No-29246, dated 18th October 2022, the Preliminary and Main examination, shall be conducted both in Odia and English. The

Candidates shall exercise her/his option for medium of language in the online application form. All may note that the option once given cannot be changed.

(I) There shall be no provision for re-evaluation/ re-checking of the scores. No correspondence in this regard shall be entertained.

(II) There shall be a Negative marking for wrong answer marked by the candidate in examinations consisting of Multiple-Choice Questions. The quantum of penalty /negative marking will be  $\frac{1}{4}$  of the total mark for each wrong answer if four options are there,  $\frac{1}{3}$  of the total marks if three options are there and so forth.

(III) The Commission shall prepare a list of candidates who obtain minimum qualifying marks in the Preliminary written examination as fixed by this Commission in their discretion, for the next stage of the main written examination. The Commission may fix different minimum qualifying marks for different category candidates (UR, SC, ST, SEBC etc.) and different posts/ services. Minimum of **five times** the number of vacancies may be called for Main written examination basing on the marks secured in preliminary examination.

(IV) Based on the performance in the Main written examination candidates numbering 02 times the number of vacancies advertised will be shortlisted for certificate verification.

**The candidature of the candidates will be rejected /not considered for selection if she/he fails to attend any of the tests/examinations/Certificate Verification.**

(V) Any complaint on the conduct of examination must be sent to the Commission by email "[support.ossce@gov.in](mailto:support.ossce@gov.in)" within 05(five) days of completion of examination.

**6. Place and Date of written examination:**

- a. The exact Date, Time and Venue of Preliminary and Main Written Exam will be conveyed in due course through a Notice and/or Admission Letter.
- b. The Admission Letters can be downloaded by the eligible candidates by accessing the Commission's website from time to time.

**7. Certificate verification and submission of Detailed Application Form (DAF):**

Candidates numbering **02(two) times** the number of vacancies advertised (post wise and category-wise) shall be shortlisted for Certificate Verification basing on the marks secured in the Main Written Examination.

**"In case, during the stage of Certificate Verification, the Commission observes that the vacancy(s) for a particular category of post(s) is/are not likely to be filled up completely, an additional number of candidates who have qualified in the order of merit shall be called only for one more time, at the discretion of the Commission for filling up the number of vacancies."**

The candidates will be required to produce their Original Academic Certificates, Mark sheets, caste certificate, special category certificate, NOC in case the candidate is a Government

servants and other documents as intimated in the admission letter for verification along with a set of self-attested photocopy of the same and OSSC copy of the application form duly signed by the candidate. (Details are enclosed in Annexure-B).

**NOTE: The Candidature of the candidates will be rejected if they fail to appear for certificate/document verification.**

**8. Admission Letter:**

- a. The Admission Letters for all stages of recruitment (Preliminary Examination, Main Written Examination and Certificate Verification) will be made available by the Commission on its website [www.osscc.gov.in](http://www.osscc.gov.in) for the convenience of the candidates. The candidate has to download the admission letter and take a printout copy of the same.
- b. Admission of a candidate for the preliminary examination, Main written examination & other tests shall be provisional and shall be on the basis of the information furnished by her/him in the online application form.
- c. The admitted candidates will have to produce the print out of the admission letter at the venue allotted for appearing in the examination/test.
- d. The admission letter contains date, time and venue of the examination, and bears the photo and signature of the candidate and facsimile signature of the Secretary of Commission.

**9. Merit List:**

The Merit list of the candidates who are found suitable in certificate verification shall be prepared in order of merit, category-wise equal to the vacancies advertised, basing on their marks secured in main written examination considering their option exercised for the posts/services.

**Resolution of Tie Cases:** In the event of a tie in scores of candidates, merit will be decided by applying following criteria, one after another in the given order, till the tie is resolved.

- i) Marks in Preliminary examination.
- ii) Date of birth, with older candidates placed higher.
- iii) Alphabetical order in which the names of the candidate appear.

**10. Action against candidates found guilty of misconduct/ malpractice:**

- a. If a candidate is found to indulge at any stage in any of the malpractices/ misconduct listed below, before during or after conduct of examination, her/his candidature for this examination will be cancelled and the candidate will be debarred from the examinations of the Commission for a specified period or permanently.

- Taking away any Examination related material such as OMR sheets, Rough Sheets, Answer Sheet (except carbon copy of OMR answer sheet after completion of examination) etc. from the examination hall or passing it on to unauthorized persons during the conduct of examination.
- Leaving the Examination Venue uninformed during the Examination.
- Misbehaving, intimidating or threatening in any manner the examination functionaries i.e. Supervisor, Invigilator, Security Guard or Commission's representatives etc. or any of the functionaries of the Commission (OSSC).
- Obstruct the conduct of examination/ instigate other candidates not to take the examination.
- Making statements, submitting information in application which are incorrect or false, suppressing material information, submitting fabricated documents, etc.
- Obtaining support/ influence for his candidature by any irregular or improper means.
- Possession of Mobile Phone in either 'switched 'on' or 'switched 'off' mode during examination.
- Appearing in the same examination more than once in contravention of the rules.
- A candidate who is working on examination related matters in the same examination.
- Damaging examination related infrastructure/ equipment.
- Appearing in the Exam with forged Admit Card, identity proof, etc.
- Possession of firearms/ weapons during the examination.
- Submitting more than one application for any recruitment examination.
- Assault, use of force, causing bodily harm in any manner threatening/ intimidating to the examination functionaries i.e. Supervisor, Invigilator, Security Guard or Commission's functionaries or representatives.
- Using unfair means in the examination hall like copying from unauthorized sources such as written material on any paper or body parts, etc.
- Possession of Bluetooth Devices, spy cameras, and any other electronic gadgets in the examination hall.
- Impersonation/Procuring impersonation by any person.
- Taking snapshots, making videos of question papers or examination material, labs, etc.
- Sharing examination terminal through remote desktop software/ Apps/ LAN/ VAN, etc. or attempting the same.
- Attempt to hack or manipulate examination servers, data and examination systems at any point before, during or after the examination.

- Obtaining question paper (s)/Examination related materials before the due date/time, irregularly.
- b. The Commission may also report the matter to Police/ Investigating Agencies, as deemed fit and the Commission may also take appropriate action to get the matter examined by the authorities/ forensic experts concerned.

**11. Commission's Decision Final:**

The decision of the Commission in all matters relating to eligibility, acceptance or rejection of the applications, penalty for false information, mode and conduct of examination(s), allotment of examination centres and preparation of merit list and post allocation, debarment for indulging in malpractices will be final and binding on the candidates and no enquiry/ correspondence will be entertained in this regard.

**12. Important Instruction/Information to the Candidates: -**

- a. The candidate has to fill/confirm in the OMR answer sheet or CBRE screen, as the case may be, correct Roll Number and other data as required in the place(s) indicated therein and darken the appropriate circles properly in Blue or Black Ball Point Pen only in case of OMR based examination. If the information so furnished is incomplete or different from the application form or if appropriate circle is not darkened properly, then ZERO mark will be awarded.
- b. There shall be no provision for re-evaluation/ re-checking of scores in the Examination. No correspondence in this regard shall be entertained.
- c. Sharing of marks with the candidate: Marks obtained by an applicant in Preliminary Examination and Main Written Examination are proposed to be shared with him/her after final merit list is published.
- d. All the posts are State Cadre post. The candidate, on selection, may be asked to serve anywhere in Odisha.
- e. If a candidate scoring more than the last selection marks at any stage of the examination is not qualified for the subsequent stage/ final selection due to any reason, he must represent to the Commission within 05 days of the declaration of the said result through e-mail [ossc.od@nic.in](mailto:ossc.od@nic.in).
- f. **Applicants who are Government servants or working under PSUs of the State Govt. or Central Govt. should obtain a "No Objection Certificate" from their controlling authority and upload the same with the Online Application form. In case a standing order of NOC is issued by any Department of Government the same should be uploaded. At the certificate verification stage, they must produce the "No Objection certificate" or "Standing order of NOC issued by the concerned Department of**

Govt". Those who are not Government servants/working in PSUs at the time of submission of application but became Government servants subsequently should have to submit "No Objection Certificate" or "Standing order of NOC" at the stage of certificate verification. If any candidate hides her/ his government servants or PSUs employee's status, and found to be a government servant or a PSU Employees during Certificate Verification may not be considered for recommendation.

By Order of the Commission

  
Secretary

#### Annexure-A

##### **Important Instructions to Candidates about filling up Online Application:**

- Before applying, candidates must go through the instructions given in this advertisement very carefully.
- Candidates in their own interest should submit online applications much before the closing date and not to wait till the last date to avoid the possibility of disconnection/ inability or failure to login to the OSSC website on account of heavy load on the website during the closing days or for any other reason.
- The Commission is not likely to undertake detailed scrutiny of applications for the eligibility and other aspects at the time of Preliminary Examination and Main written examination and, therefore, candidature will be accepted only provisionally. Candidates must go through the requirements of educational qualification, age, physical and medical standards etc. and satisfy themselves that they are eligible for the post(s). Copies of supporting documents will be sought at the time of Certificate Verification. When scrutiny is undertaken, if any claim made in the application is not found substantiated, the candidature will be cancelled and the Commission's decision shall be final.
- Candidates seeking reservation benefits available for SC/ ST/ SEBC/ PwD/ ESM/Sports Person must ensure that they are entitled to such reservation as per eligibility prescribed in this Advertisement. They should also be in possession of the certificates in the prescribed format in support of their claim.
- Candidates with only **benchmark physical disability** mentioned in Clause-2 b of the Advertisement will be considered as Persons with Disabilities (PwD) and entitled to age-relaxation/ reservation for Persons with Disabilities.
- When application is successfully submitted, it will be accepted 'Provisionally'. Candidates should take the printout of the online Application Form for their own records.

- Only one online application is allowed to be submitted by a candidate for any recruitment Examination. Therefore, the candidates must exercise due diligence at the time of filling their online Application Forms. In case, more than one application of a candidate with different registration numbers is detected, all the applications will be rejected by the Commission and her/his candidature for the examination will be cancelled. If a candidate submits multiple applications and appears in the examination (at any stage) more than once, her/his candidature will be cancelled and she/he may be debarred from all the examinations of the Commission.
- Before submission of the online application, candidates must check that they have filled correct details in each field of the form. After submission of the corrected/ final online application, **no change/ correction/ modification will be allowed** under any circumstances. Requests received in this regard in any form like Post, Fax, Email, by hand, etc. shall not be entertained by the Commission and will be summarily rejected.
- The candidates must write their name, Date of Birth, father's name and mother's name as given in the High School Certificate otherwise their candidature may be cancelled at the time of Certificate Verification or as and when it comes into the notice of the Commission.
- Applications with blurred/ illegible Photograph/ Signature will be rejected.
- Candidates must fill their correct and active e-mail addresses and mobile number in the online application as correspondence may be made by the Commission through e-mail/ SMS.
- Candidates may fill their correct Aadhaar number.
- Candidates must carry two passport size recent colour photographs and one original valid Photo ID Proof such as Aadhaar Card/ printout of E-Aadhaar, Driving License, Voter Card, PAN Card, Identity Card issued by University/ College/ Government, Employer ID Card, ESM Discharge Book issued by Ministry of Defence or any photo-bearing ID card issued by Central/ State Government for entry into the Examination Venue, failing which they will not be allowed to appear for the same. If Photo Identity Card does not have the Date of Birth printed in it, then the candidate must carry an additional original certificate in proof of her/his Date of Birth. In case of mismatch in the date of birth mentioned in the Admission Certificate and Photo ID/ Certificate brought in support of date of birth, the candidate will not be allowed to appear in the examination. PwD candidates availing the facility of scribes shall also be required to carry the permission letter of the Commission, relevant Medical Certificate/ Undertaking/ Photocopy of the Scribe's Photo ID Proof, as specified in advisory Notice No.3453/OSSC dated 24.10.2019 available on the website of the Commission.

- In case of fake/ fabricated application/ registration by misusing any dignitaries name/ photo then such candidate/ cyber cafe will be held responsible for the same and liable for suitable legal action under Cyber/ IT act.

**How to Apply:**

- The applicants should go through the detail advertisement before filling up the online application form.
- The candidate may apply for the post as per her/his eligibility as per terms of the advertisement.
- All eligible candidates have to register themselves by clicking on "APPLY ONLINE" button on the home page of the Commission's website [www.osscc.gov.in](http://www.osscc.gov.in).
- Those candidates who are applying for the first time have to register for the post by clicking on "NEW USER" button shown on the screen. On submitting the registration form a User Id and Password will be generated.
- On clicking "New user" or "Registered User", instruction for filling up the Online Registration/ Re-registration and Application Forms shall appear on the Computer screen. These instructions should be read carefully before proceeding with filling up the Application Form.
- Step-by-step procedure for registration/re-registration can be viewed by clicking on "Instruction to fill up Online Application Form".

**Pre-requisites for filling up Online Application Form:**

- Applicants should possess and maintain a valid e-Mail Id and Mobile Number for accessing the OSSC web portal and to make Online Registration/Re-Registration and Application Form. Candidates should keep that e-mail Id and Mobile Number (used by them during registration) active so as to receive all important communication from the Commission till publication of the final result of this recruitment examination.
- Recent Passport size Colour Photograph of the Applicant, scanned in "jpg/jpeg" format with file size range of 20 kb to 100kb may be kept handy for uploading during Registration.
- Full Specimen Signature & Left /Right Thumb Impression of the Applicant, scanned in "jpg/jpeg" format ranges up to 20 kb shall be kept handy for uploading during Registration.
- Scanned document must be in "Pdf" format between ranges of 100kb to 500 kb.
- Applicants may keep their required Certificates, Mark sheets, Aadhaar Number & other documents ready while filling up the details of the educational qualification & other fields of Online Application Form.
- SC/ST/SEBC category candidates need to submit detail information of the valid online Caste Certificate issued by competent Authority in the online application form. If the valid

online Caste Certificate issued by the competent Authority is not in possession of the applicants at the time of submission of the online application form, she/he must give a self-declaration in the format appended in the online application form.

- Candidate claiming age relaxation under "Ex-Servicemen" category need to upload any one of the Ex-Servicemen Documents i.e. Discharge Certificate/ Identity card/ PPO (wherein the date of entry, date of discharge and period of service rendered in Defence Forces have been reflected). Ex-Serviceman who is going to retire within six months from the closing date of online application may apply for the post by obtaining "No Objection Certificate" from the appropriate authority mentioning therein the date of appointment, date of retirement and years of service rendered in Defence Forces. However, such candidates have to submit the discharge certificate on the date of certificate verification for considering their claims under Ex-Serviceman category. The scanned document must be in "Pdf" format between ranges of 100 kb to 500 kb.
- Candidates claiming reservation/ age relaxation under "PwD (Persons with Disabilities)" category need to upload a valid online PwD certificate issued by Unique Disability Identification (UDID). The scanned document must be in "Pdf" format between ranges of 100kb to 500 kb.
- Candidate claiming reservations under Sports Person category need to upload sports identity card issued by Director of Sports and Youth Service Department. The scanned document must be in "pdf" format between ranges of 100kb to 500kb.
- The candidate should ensure that the scanned Photograph and full Signature, Left/Right Hand Thumb Impression and other relevant documents are clearly identifiable/ visible. Otherwise, the registration and application shall be liable for rejection. No correspondence on this account shall be entertained.
- Applicants who are Government servants or working under PSUs of the State Govt. or Central Govt. should obtain a "No Objection Certificate" from their controlling authority and upload the same with the Online Application form. In case a standing order of NOC is issued by any Department of Govt. the same should be uploaded.
- Candidates must submit correct data/information in the Online Application Form. If at any stage of recruitment or thereafter, it is found that any information furnished by the candidate in her/his online application is false/incorrect or the candidate has suppressed any relevant information or the candidate otherwise does not satisfy the eligibility criteria prescribed for the post, her/his candidature for the post will be cancelled forthwith.

### Annexure-B

**Document to be submitted at the time of Certificate Verification:**

- a. Downloaded copy of Admission letter for Document Verification.
- b. Downloaded copy of Bio-Data-cum-Attestation form duly filled.
- c. Copy of the Online Application form legibly signed by the candidate at appropriate place.
- d. HSC Certificate & Mark Sheet or equivalent certificate in support of Date of Birth, issued by the concerned Board/Council.
- e. +2 Arts/Science/Commerce or equivalent certificate & mark sheet.
- f. +2 Vocational (Fisheries) certificate and mark sheet for the post of Junior Fisheries Technical Assistant
- g. Certificate on Basic Computer Skill from a recognised Institution for the post of Amin.
- h. Online Caste certificate issued by the competent authority for the purpose of employment/service. (In case of ST, SC and SEBC Candidates only) SEBC category candidates must submit photocopy of valid SEBC certificate issued by the competent authority which must be within one year prior to the closing date of Online Application.
- i. Certificate either of passing HSC examination with Odia as a compulsory subject, or in lieu thereof a certificate of passing Odia of M.E. standard issued by competent authority.
- j. Photocopy of permanent disability certificate issued by UDID (by Appropriate Medical Authority) in case of PwD candidates.
- k. Discharge certificate, identity card and document indicating the period of service rendered in defence forces in case of Ex-Servicemen candidates. Besides, an undertaking as per Annexure-D must be submitted to the effect whether utilised the benefit of Ex-servicemen for employment in State Govt./ Central Govt. or if utilised whether informed to the employer as per Clause-3(d) of this advertisement.
- l. Sports Identity Card issued by Director of Sports and Youth Service Department, Govt. of Odisha in case of sports person candidates.
- m. NOC in case of candidates working in Government Service/PSUs of the state Govt., or Central Govt.

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## ANNEXURE-C

### Syllabus for preliminary Examination

- Arithmetic– 10<sup>th</sup> standard
- Data Interpretation (Chart, Graph, Table, Data Sufficiency etc.) – 10<sup>th</sup> standard
- Logical Reasoning and Analytical Ability, General Mental Ability.
- Current Events of National and International Importance.
- Computer / Internet Awareness

### **SYLLABUS FOR TECHNICAL PAPER FOR MAIN WRITTEN EXAMINATION FOR THE POST OF AMIN**

#### **CONCEPTS OF GEOMETRY & MENSURATION**

- Introduction to Geometry  
2D Shapes: Line, Circle, Triangle, Quadrilateral, Rectangle, Square, Trapezium, Rhombus and Parallelogram  
3D Shapes: Sphere, Hemi-Sphere, Cylinder, Cone, Cube, Pyramid, Cuboid  
Important Theorems and Postulates
- Triangles:  
Different types of Triangles  
Various types of Centres  
Congruence  
Similarity  
Perimeter and Area
- Quadrilaterals:  
Different types of Quadrilaterals i.e. Rectangle, Square, Trapezium, Rhombus and Parallelogram  
Perimeter and Area
- Circle:  
Perimeter and Area  
Radius, Diameter, Secant, Sector and Chords  
Tangents
- Area tracing by using Coordinate Geometry  
Height and Distance calculation by using Trigonometric formulae
- Volume, Curved Surface Area (CSA), Lateral Surface Area (LSA), Total Surface Area (TSA) of 3D objects i.e. Sphere, Hemi-Sphere, Cylinder, Cone, Cube, Pyramid, Cuboid
- Units of area Measurement and their conversion

#### **INTERPRETATION OF MAPS**

- Introduction to Maps.
- Map Scale and Ratio.
- Coordinates: Latitudes, Longitudes
- Types of Maps: Political maps, Physical maps, Topographical maps, Topological maps, nautical maps, thematic maps and Road maps.
- Properties of Maps: Distance, Symbol and Direction.
- Conventional Signs and symbols
- Interpretation of Topo-Sheets
- Index in maps

**DETAILED SYLLABUS FOR TECHNICAL PAPER FOR MAIN WRITTEN EXAMINATION FOR THE POST OF JUNIOR FISHERIES TECHNICAL ASSISTANT.**

**Introduction to Inland Fisheries**

Unit-1

Introduction to fisheries; importance of fish, present status (global, India and Odisha context). Types of fisheries: freshwater, brackish water, estuaries, riverine, reservoirs, lakes, etc.

Unit-II

Inland fisheries resources, Freshwater resources, Riverine resources, reservoirs, lakes, bheels, wetlands, ponds, tanks and canals. Brackish water resources, lakes, lagoons, estuaries, mudflats, backwaters. Inland fishery resources of Odisha.

Unit-III

Species contributing to inland fisheries: A general account of economically important freshwater and brackish water fin and shell fishes and their distinguishing characters for identification, food and feeding habits, growth, reproduction and migration.

Unit-IV

Fisheries of reservoirs and lakes, conservation of fish stocks, stocking with fish culture and capture management. Floodplain wetlands as capture fishery resources, present status of their exploitation and management. Fisheries resources of Chilika lake and Ansupa.

Unit-V

Coldwater fisheries status, important species, cold water fishery resource management. Fish catching devices, common inland fishery crafts and gears their usefulness, operation, restriction of use, fish aggregating devices.

**INTRODUCTION TO AQUACULTURE**

Unit-I

History of aquaculture, present global and national scenario, principles of aquaculture, Importance of aquaculture, culture practices, conventional monoculture, composite fish culture, mixed culture, integrated aquaculture, criteria for selection of candidate species for aquaculture, sewage fed fisheries, waste water aquaculture. Method of culture: traditional/extensive, semi-intensive, intensive aquaculture in inland water bodies.

Unit-II

Types of fish farms: freshwater/brackish water, type of ponds nursery, rearing, grow-out. Layout design and construction of fish farm. Soil types, properties, classification, sampling methods and texture analysis, effects of seepage and their control, location, design and construction of hatcheries, design and construction of cage and pens for fish culture.

### Unit-III

Freshwater aquaculture resources- ponds, tanks, lakes and reservoirs, nursery, rearing and grow out pond preparation and management, control of aquatic weeds, predatory and weed fishes, algal blooms, liming, fertilization/manuring. use of bio- fertilizers, stocking, feeding to fishes, pond environment management, fish health management, harvesting.

### Unit IV

Freshwater prawn culture and important species for culture, seed stocking and culture practices, brackish water aquaculture, important finfishes and shellfishes for culture, collection of seed, stocking, important species for culture, seed stocking, culture practices.

### Unit-V

Ornamental fish culture, important indigenous and exotic ornamental fishes, preparation of indoor system for culture and their rearing management. Catfish and air breathing fish culture. Important species for culture, seed stocking and culture practices. Integrated aquaculture principle, fish cum poultry, fish-cum-duck culture and fish cum cattle rearing.

## CHEMISTRY

### **Unit 1: Some Basic Concepts of Chemistry**

Atomic and molecular masses and equivalent mass of elements, acid, base, and salt, oxidants, reductants, and mole concept and molar mass, percentage composition, empirical and molecular formula, chemical reactions, stoichiometry and calculations based on stoichiometry, expression of concentration of solutions.

### **Unit II: Structure of Atom**

Atomic number, isotopes, Isobars, Rutherford's model and its limitations, Bohr's model and its limitations, concept of shells and subshells, dual nature of matter and light, de Broglie's relationship, Heisenberg uncertainty principle, concept of orbitals, quantum numbers, shapes of s, p and d orbitals, rules for filling electrons in orbitals Auf-Bau principle, Pauli's exclusion principle and Hund's rule, electronic configuration of atoms, stability of half-filled and fully filled orbitals.

### **Unit III: Classification of Elements and Periodicity in Properties**

Modern periodic law and the present form of periodic table, periodic trends in properties of elements atomic radii ionic radii, inert gas radii, Ionization enthalpy, electron gain enthalpy, electronegativity, valency and oxidation state. Nomenclature of elements with atomic number greater than 100.

### **Unit IV: Chemical Bonding and Molecular Structure**

Valence electrons, ionic bond, covalent bond; bond parameters. Lewis structure, polar character of covalent bond, covalent character of ionic bond, valence bond theory, resonance, geometry of covalent molecules, VSEPR theory, concept of hybridization, involving s, p and d orbitals and shapes of some molecules, molecular orbital theory of homonuclear diatomic molecules (qualitative idea only), hydrogen bond.

## Unit V: States of Matter: Gases and Liquids

Role of gas laws in elucidating the concept of the molecule, Boyle's law, Charles law, Gay Lussac's law, Avogadro's law, ideal behaviour, empirical derivation of gas equation, Avogadro's number, ideal gas equation. Deviation from ideal behaviour liquefaction of gases, critical temperature, kinetic energy and molecular speeds (elementary idea).

## Unit VI: Chemical Thermodynamics

Concepts of System and surroundings and types of system, surroundings, work, heat, energy, extensive and intensive properties, state functions.

First law of thermodynamics Internal energy and enthalpy. Hess's law of constant heat summation, enthalpy of bond dissociation, combustion, formation, neutralization, atomization, sublimation, phase transition, ionization, solution and dilution, Second law of Thermodynamics (brief introduction). Introduction of entropy as a state function, Gibb's energy change for spontaneous and non-spontaneous processes, criteria for equilibrium. Third law of thermodynamics (Statement only).

## Unit VII: Equilibrium

Equilibrium in physical and chemical processes, dynamic nature of equilibrium, law of mass action, equilibrium constant ( $K_c$ ,  $K_p$  and  $K_x$  and their relationship), factors affecting equilibrium, Le Chatelier's principle, ionic equilibrium, Ionization of acids and bases, strong and weak electrolytes, degree of ionization, concept of  $P_H$ , hydrolysis of salts (elementary idea), buffer solution, Henderson Equation, solubility, product, common ion effect (with illustrative examples) numerical problems.

## Unit VIII: Redox Reaction

Concept of oxidation and reduction, redox reactions, oxidation number, balancing redox reactions, in terms of loss and gain of electrons and change in oxidation number.

## Unit IX: Hydrogen

Position of hydrogen in periodic table, occurrence, isotopes, preparation, properties and uses of hydrogen, hydrides-ionic, covalent and interstitial; physical and chemical properties of water, heavy water and use of hydrogen as a fuel.

## Unit X: s-Block Elements (Alkali and Alkaline Earth Metals)

### Group 1 and Group 2 Elements

General introduction, electronic configuration, occurrence, anomalous, properties of the first element of each group, diagonal relationship, trends in the variation of properties (such as ionization enthalpy, atomic and Ionic radii), trends in chemical reactivity with oxygen and halogens, uses.

## Unit XI: Some p- Block Elements

General Introduction to p- Block Elements Group 13 Elements: General introduction, electronic configuration, occurrence, variation of properties, oxidation states, trends in chemical reactivity. anomalous properties of first element of the group, Boron physical and chemical properties.

Group 14 Elements: General introduction, electronic configuration, occurrence, variation of properties, oxidation states, trends in chemical reactivity, anomalous behaviour of first elements, Carbon-catenation, allotropic forms, physical and chemical properties; uses of some important compounds: oxides. Important compounds of Silicon, Silicones, Zeolites and their uses.

## Unit XII: Organic Chemistry - Some Basic Principles and Technique

General introduction, classification and IUPAC nomenclature of organic compounds. Electronic displacements in a covalent bond, inductive effect, electrometric effect, resonance and hyper conjugation. Homolytic and heterolytic fission of a covalent bond free radicals, carbocations, carbanions, electrophiles and nucleophiles, types of organic reactions.

## Unit XIII: Hydrocarbons

### Classification of Hydrocarbons

#### Aliphatic Hydrocarbons:

Alkanes Nomenclature, isomerism, conformation (ethane only), methods of preparation from unsaturated hydrocarbons, alkyl halides, carboxylic acids (Decarboxylation and Kolbe's electrolytic method), physical properties, chemical reactions: including free radical mechanism of halogenation, combustion, controlled oxidation, isomerisation, aromatisation, with steam and pyrolysis.

Alkenes Nomenclature, structure of double bond (ethene), geometrical isomerism, methods of preparation from alkynes, alkyl halides, vicinal dihalides, alcohols, physical properties, chemical reactions: addition of hydrogen, halogen, water, hydrogen halides, sulphuric acid (Markownikoff's addition and peroxide effect), ozonolysis, oxidation, polymerisation and mechanism of electrophilic addition reaction.

Alkynes Nomenclature, structure of triple bond (ethyne), methods of preparation, from calcium carbide, vicinal dihalides, physical properties, chemical reactions: acidic character of alkynes, addition of hydrogen, halogens, hydrogen halides, water, and polymerisation.

Aromatic Hydrocarbons: Introduction, IUPAC nomenclature, benzene resonance, aromaticity, preparation of benzene from acetylene, phenol and aromatic acids, chemical properties: mechanism of electrophilic substitution, nitration, sulphonation, halogenation, Friedel Craft's alkylation and acylation, addition of hydrogen, addition of chlorine, combustion.

## Biology

Unit I: Diversity in living world

Unit II: Structural organization in animals and plants

Unit III: Cell structure and function

Unit IV: Plant physiology

Unit V: Human physiology

## Biology 2nd year Science (Theory)

Unit I: Reproduction

Unit II: Genetics and Evolution

Unit III: Biology and Human Welfare

Unit IV: Biotechnology and its applications

Unit V: Ecology and Environment

## **Syllabus for Technical Paper (Main Written Examination) for the post of Junior Forensic Attendant –**

### PHYSICS

#### **Unit- I: MOTION**

Uniform motion & non-uniform motion, Velocity, Acceleration, Distance-Time graph, Velocity- Time graph, Uniform circular motion.

#### **Unit- II: FORCE AND LAWS OF MOTION**

Balanced and unbalanced force, Newton's Laws of Motion, Inertia and Mass, Conservation of momentum.

#### **Unit- III: GRAVITATION**

Universal laws of gravitation, Free fall, Mass, Weight, Thrust and pressure, Pressure in fluids, Buoyancy, Archimedes' Principle, Relative density.

#### **Unit- IV: WORK AND ENERGY**

Scientific concepts of work, Forms of energy, Laws of conservation of energy, and Commercial units of energy.

#### **Unit-V: SOUND**

Production of Sound, Properties of Sound, Characteristics of sound wave, Speed of sound in different media, Reflection of sound, Echo, Reverberation, Frequency range of hearing, Application of Ultrasound and Sonar.

#### **Unit-VI: LIGHT- REFLECTION AND REFRACTION**

Reflection of light, Types of Mirror and utilities, Mirror formula and magnification, Refraction of light, Refractive index, Lens formula and magnification, Power of Lens.

#### **Unit-VII: THERMODYNAMICS**

Thermal equilibrium, definition of temperature (Zeroth law of thermodynamics), heat, work, and internal energy. First law of thermodynamics, isothermal and adiabatic processes, second law of thermodynamics, reversible and irreversible processes.

#### **Unit- VIII: ELECTRICITY**

Electric current and circuit, Electric potential and potential difference, Circuit diagram, Ohm's law, Factors of resistance, Combination of resistors, Series combination of resistors, Heating effect of electric current, Electric power.

#### **Unit- IX: - MAGNETIC EFFECTS OF ELECTRIC CURRENT**

Magnetic field and field lines, Right-hand thumb rule, Fleming's left-hand rule and right hand rule, Electric motor, Electromagnetic induction, Domestic electric circuits, Electric generator.

### **CHEMISTRY**

#### **Unit- I: MATTER**

Physical nature of Matter, Characteristics of particles of Matter, State of Matter, Evaporation, Factors affecting evaporation, what is Mixture, Types of mixture, Solution, Properties and concept of solution, Suspension and its properties, Colloidal solution, Properties of colloid, Types of pure substances.

#### **Unit- II: ATOMS AND MOLECULES**

Laws of chemical combination, Laws of conservation of mass, Laws of constant proportions, Dalton's Atomic theory, Atom, Atomic mass, Molecule, Ion, Chemical formula and valency, Molecular Mass and Mole.

#### **Unit- III: STRUCTURE OF ATOM**

Structure of an Atom, Rutherford's model of Atom, Drawbacks of Rutherford's model of Atom, Bohr's model of Atom, Atomic number and Mass number, Isotope, Isobar.

#### **Unit- IV: CHEMICAL REACTIONS AND EQUATIONS**

Chemical equation, Balanced Chemical equation, Types of Chemical reactions, Double displacement reactions, Oxidation and Reduction, Corrosion and prevention of Corrosion, Rancidity.

#### **Unit- V: ACIDS, BASES AND SALTS**

Chemical properties of acids and Bases, pH, Family of salts, Sodium Hydroxide, Bleaching Powder, Baking Soda, Washing Soda, Plaster of Paris.

#### **Unit- VI: METALS AND NON-METALS**

Physical properties of Metals, Physical properties of Non-Metals, Chemical properties of Metals, Chemical properties of Non-Metals, Reactivity series, Properties of Ionic compounds, Occurrence of Metals, Extraction of Metals, Enrichment of Ores, Refining of Metals.

#### **Unit- VII: CARBON AND ITS COMPOUNDS**

Types of Bonding, Allotropes of Carbon, Versatile nature of Carbon, Chains, branches of Carbon, rings of Carbon, Homologous Series, Nomenclature of Carbon compounds, Chemical properties of Carbon compounds, Combustion, Types of reaction, Properties of Ethanol and Ethanoic Acid, Soaps & Detergents.

#### **Unit- VIII: PERIODIC CLASSIFICATION OF ELEMENTS**

Classification of Elements, Dober Einer's Law, Newlands Law of octaves, Mendeleev's Periodic table, Limitations of Mendeleev's classification, The Modern Periodic Table, Metallic and Non-metallic properties of the Modern Periodic Table.

## BIOLOGY

### **Unit- I: BIODIVERSITY**

Diversity in the living world, Living kingdom, Hierarchy of classification, five kingdom classification, Plantae, Animalia, vertebrata, extinct species, Endangered species.

### **Unit- II: CELL AND ITS ORGANISATION**

Unit of life, Plasma membrane, Nucleus, Chromosome.

### **Unit- III: TISSUE SYSTEM**

Plant tissue, Meristematic tissue, Permanent tissue, Animal tissue, Types of animal tissue, Connective tissue, Muscle tissue, Nervous tissue.

### **Unit- IV: NUTRITION**

Type of Nutrition, Nutrition classification, Photosynthesis, Digestive System of Man.

### **Unit-V: RESPIRATION**

Respiration System, Human Respiratory System.

### **Unit-VI: TRANSPORTATION AND CIRCULATION**

Transport in Plants, Transport in the Human Body.

### **Unit-VII: EXCRETION**

Human excretory system-structure and function, Mechanism of Urine formation, Osmoregulation: Regulation of kidney function.

### **Unit-VIII: CONTROL AND CO-ORDINATION**

Plant control and co-ordination, Human Control and co-ordination, Human Chemical coordination.

### **Unit- IX: REPRODUCTION**

Type of Reproduction of human, Cell Division (Type and Details) of human body, Plant cell Division (Type and Details), Reproductive System of living organism (Type and Details), Male Reproductive System, Female Reproductive System, sexually transmitted diseases, Childbearing and Women's Health.

### **Unit-X: HEREDITY AND EVOLUTION**

Heredity, Mendel's Hybridisation System, Sex Determination, Darwin's Theory, Details on evolution, Human Evolution.

### **Unit-XI: SOURCES OF ENERGY**

Type of energy, Source of energy, Renewable Energy type and work, Renewable noneligible Energy Source.

### **Unit-XII: ENVIRONMENT**

Biosphere, Ecosystem, Structural components of Ecosystem, Functional aspects of Ecosystem and Type, Ecological Pyramid, Nutrient cycle, Biomagnification, Homeostasis, Environmental Problems.

### **Unit-XIII: CONSERVATION OF NATURAL RESOURCES**

Natural Resources, Natural Resources and conservation, Techniques of conservation, Natural Resources importance and Management, Forest and wildlife Conservation, Plant and living being conservation, World Wildlife Fund, Coal and Petroleum conservation, Water Conservation, Watershed Management, Rainwater Harvest, Water Recycle.

## COMPUTER

### **Unit- I: COMPUTER FUNDAMENTALS**

Necessity and uses of the computer: What is a computer? Input-Output devices, types of computers (Digital, Analog, Hybrid, Supercomputer, Mainframe, Mini, Notebook, and Laptop). Generation of Computer, Computer Memory (Main, Secondary, Virtual), Computer Languages. Basic knowledge of MS-Word, MS-Excel, and MS-PowerPoint. Introduction to the Internet, net browsing, Emails, saving, and printing web files.

**ANNEXURE-D**

**UNDERTAKING**

I Sri \_\_\_\_\_ Roll No. \_\_\_\_\_  
\_\_\_\_\_ applied as  
\_\_\_\_\_ Ex-Serviceman for the post of \_\_\_\_\_  
\_\_\_\_\_ do hereby declare the following:

I have not utilized the benefit of Ex-Servicemen for employment purpose till date either in State Govt./Central Govt./Public Sector Undertaking.

Or

I do hereby declare that at present I am under employment and working as \_\_\_\_\_ in \_\_\_\_\_ Department /Organization and I have already utilized the benefits of Ex-Servicemen. My candidature for the said post may be considered on merit under my own category i.e. SEBC /SC /ST /UR as I have already availed the benefit of Ex-Serviceman earlier.

Or

I do hereby declare that I have joined in the post of \_\_\_\_\_ in the office of \_\_\_\_\_. I have submitted self-declaration /undertaking to my employer \_\_\_\_\_ about the date wise details of application for the post for which I had applied before joining. Copy of the declaration duly endorsed by my employer is herewith enclosed for consideration of my claim under Ex-Servicemen category.

(Strike out the portion which is not applicable)

The statement given above is true and correct to the best of my knowledge and belief. If proved wrong/false, I shall be liable for punishment as per rules and my candidature for the said post shall be rejected.

Signature of the Candidate

Name (in full)

Roll No.