

**ODISHA STAFF SELECTION COMMISSION**

Unit – II, Bhubaneswar – 751001

Advertisement No.IIE-74/2023-2273/OSSC Date: 13.06.2023

**DETAILED ADVERTISEMENT FOR COMBINED HIGHER SECONDARY (10+2) OR EQUIVALENT RECRUITMENT EXAMINATION FOR GROUP-‘B’ & GROUP-‘C’ SPECIALIST POSTS/ SERVICES UNDER VARIOUS DEPARTMENTS, 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                     | 26.06.2023   | 24.07.2023 |
| Submission of Online Application Form   | 26.06.2023   | 26.07.2023 |
| Date of editing Online Application Form | 27.06.2023   | 30.07.2023 |
| 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. |            |

- Appointment shall be guided by “Combined Higher Secondary (10+2) Level or Equivalent Recruitment Examination for Specialist Posts/ Services Rules, 2022”.
- Applications are invited online through the OSSC website “[www.osscc.gov.in](http://www.osscc.gov.in)” for recruitment to fill up the vacancies in the following offices under Combined Higher Secondary (10+2) or equivalent Recruitment Examination for Specialist posts/services Rules, 2022 for various Departments of Govt. of Odisha.

| Sl. No | Name of the Post/Services          | Name of the Department/ Heads of Department in which vacancy exists for this recruitment | Total No. of Vacancy | Classification of Posts | Pay Matrix Level & Scale of Pay (as per 7 <sup>th</sup> Pay Commission) |
|--------|------------------------------------|--|----------------------|-------------------------|---|
| 1      | Weaving Supervisor (Provisional)   | Directorate of Textiles  | 03                   | Group-B                 | Level-9<br>35,400-1,12,400  |
| 2      | Soil Conservation Extension Worker | Directorate of Soil Conservation & Watershed Development                                 | 245                  | Group-C                 | Level-5<br>21700-69,100   |
| 3      | Technical Assistant (Provisional)  | Directorate of Textiles  | 19                   | Group-C                 | Level-4<br>19,900-63,200  |



|   |      |                              |    |         |                          |
|---|------|------------------------------|----|---------|--------------------------|
| 4 | Amin | Water Resources Department   | 75 | Group-C | Level-3<br>18,000-56,900 |
| 5 | Amin | Directorate of Town Planning | 12 | Group-C | Level-3<br>18,000-56,900 |

- c. Candidates must possess a valid e-Mail Id and Mobile number while applying for the post and keep the same active till completion of this recruitment process, to receive important messages from the Commission.
- d. The appointment will be against one of the posts carrying pay as indicated in the above table.
- e. The examination fee has been exempted for all categories of candidates as per G.A. & P.G. Department Notification No.9897/Gen, dtd.11.04.2022.
- f. Appointments shall be on regular basis carrying the level of Pay as mentioned in the table above. The appointment shall be guided by "Odisha Group-'B', 'C' and Group-'D' Posts (Repeal and Special Provisions) Rules, 2022 notified vide GA and PG Department Notification No. 29076 dated 16<sup>th</sup> October2022.
- 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 & other tests shall be provisional and on the basis of 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. 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 date of examination, downloading of Admission Letter and to know the status of their applications etc.
- k. 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.
- l. \*Candidates must indicate their preference in order for the posts/ services, if eligible for those posts in all respect while filling the Online Application. Candidates will be provided



with another opportunity online for revising their options after the Main Written Examination.

- m. For those eligible for and applying for more than one post/ service, the Commission will make the final allotment to post/ service on the basis of merit-cum-preference of post/ service given by the candidate and once a post is allotted, no change of posts will be made by the Commission due 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.

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

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

| Sl. No | Name of the Posts/ Services        | Name of the Department                                   | Category wise Vacancy      |                              |                            |                            |                               |
|--------|------------------------------------|--|----------------------------|------------------------------|----------------------------|----------------------------|-------------------------------|
|        |                                    |  | UR<br>(Out of which women) | SEBC<br>(Out of which women) | SC<br>(Out of which women) | ST<br>(Out of which women) | Total<br>(Out of which women) |
| 1      | Weaving Supervisor                 | Directorate of Textiles                                  | 02<br>(w-01)               | -                            | -                          | 01                         | 03<br>(w-01)                  |
| 2      | Soil Conservation Extension Worker | Directorate of Soil Conservation & Watershed Development | 130<br>(w-43)              | 30<br>(w-10)                 | 36<br>(w-12)               | 49<br>(w-16)               | 245<br>(w-81)                 |
| 3      | Technical Assistant                | Directorate of Textiles                                  | 08<br>(w-03)               | 06<br>(w-02)                 | 05<br>(w-02)               | -                          | 19<br>(w-07)                  |
| 4      | Amin                               | Water Resource Department                                | 44<br>(w-15)               | 07<br>(w-02)                 | 09<br>(w-03)               | 15<br>(w-05)               | 75<br>(w-25)                  |
| 5      | Amin                               | Directorate of Town Planning                             | 07<br>(w-03)               | 02<br>(w- 01)                | 01                         | 02<br>(w-01)               | 12<br>(w-05)                  |

**NOTE:1. Candidates belonging to the Transgender community are also eligible to apply. Candidates belonging to SEBC and SC may also apply for the post of Weaving Supervisor but they have to compete against UR. Candidates belonging to ST may apply for the post of Technical Assistant but they have to compete against UR.**

UR: Unreserved

SEBC: Socially and Educationally Backward Class

SC: Scheduled Caste

ST: Scheduled Tribe



W: Women

**b. Special Category vacancies reserved for the following posts only:**

| Name of the Posts/Services              | Special Category      |               |                               |             |  |
|---|-----------------------|---------------|-------------------------------|-------------|--|
|   | Ex-Servicemen (Ex-SM) | Sports Person | Persons with Disability (PwD) |             |  |
|   |                       |               | Vacancy                       |             | Benchmark Disability to get a reservation  |
| Soil Conservation Extension Worker      | 03                    | 03            | 04                            | Cat-II      |  |
|   |                       |               | 04                            | Cat-III     |  |
|   |                       |               | 03                            | Cat-IV      |  |
|   |                       |               | <b>Total PWD -11 (W-04)</b>   |             |  |
| Technical Assistant                     | -                     | -             | 01                            | Cat-II (HI) |  |
| Amin under Water Resource Department    | 02                    | 01            | 01                            | Cat-II      | Hard of Hearing with suitable aid  |
|   |                       |               | 01                            | Cat-III     | LD (One leg affected (R or L); but not arms): mobility not restricted; Acid attack victims (arms not affected); Dwarfism |
|   |                       |               | 01                            | Cat-IV      | Multiple disabilities having a combination of disability from categories – II & III only.                                |
|   |                       |               | <b>Total PwD-03(W-01)</b>     |             |  |
| Amin under Directorate of Town Planning | -                     | -             | 01                            | Cat-I       | Blindness & low vision   |

**NB: PwD candidates belonging to Category-II (HI) and category-III (OH) having disability not less than 40% of permanent nature are eligible to apply for the posts of Weaving Supervisor and Technical Assistant but they have to compete in their own category.**

**NOTE:**

- I. 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 the above Benchmark Disability of permanent nature and having Disability, not below 40% in the categories shown in the table shall be eligible to apply for the above posts.



- II. No Vacancy is reserved for Special Category i.e. (Ex-Servicemen/ Sports Person/PwD) for the post of Weaving Supervisor.
- III. The physical requirement of the PwD candidates for the post is as follows:

| Code | Physical Requirement                          |
|------|---|
| MF   | Work performed by manipulating (with fingers) |
| BN   | Work performed by Bending                     |
| F    | Work performed by manipulating (with fingers) |
| H    | Work performed by hearing/speaking            |
| R&W  | Work performed by reading & writing           |
| SE   | Work performed by seeing                      |
| ST   | Work performed by standing                    |
| S    | Work performed by sitting (on bench or chair) |
| W    | Work performed by walking                     |

**IV. Data information category for Weaving Supervisors and Technical Asst is provisional and may be updated.**

**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 the Online Application Form and should 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 in the website of the Commission "[www.osscc.gov.in](http://www.osscc.gov.in)".

- d. PwD candidates must ensure that they possess permanent disability certificate and must upload the scanned copy of the original (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.

**Educational Qualification prescribed for the posts:**

The Educational Qualification essential for different posts are as follows:

| Sl. No. | Name of the post                            | Essential Educational Qualification   |
|---------|---|---|
| 1       | Weaving Supervisor                          | Must have passed Diploma in Handloom Technology/ Textile Technology From IIHT/ other recognized institution.  |
| 2       | Soil Conservation Extension Worker          | +2 Science or +2 Vocational course in Agriculture related subject i.e. Crop Production (CP)/ Horticulture/ Repair & Maintenance of Power Driven farm Machinery (PDFM) from any of the recognized Board/ Council or institution.   |
| 3       | Technical Assistant                         | HSC or Matriculation with PMF/Handloom Weaving & Design Training in Govt. organization. The candidate other than IHWD, Khordha having done Diploma or any other course from any other Govt. recognized institute and intends to apply for the post will be required to obtain a certificate from the Head of the Institute of Handloom Weaving & Design Khordha, Odisha to the effect that the syllabus covered in the Diploma or any other training course done by them. |
| 4       | Amin under Water Resources Department       | Must have passed Higher Secondary Examination (10+2) from Council of Higher Secondary Education, Odisha or Equivalent Examination and must have basic computer knowledge.   |
| 5       | Amin under the Directorate of Town Planning | HSC and National Trade Certificate (NTC) passed in Draughtsman Civil.   |



**b. Age:**

| Sl. No. | Name of the post                        | Minimum Age as on 01.01.2023 | Maximum Age as on 01.01.2023 |
|---------|---|------------------------------|------------------------------|
| 1       | Weaving Supervisor                      | 21 Years                     | 38 Years                     |
| 2       | Soil Conservation Extension Worker      | 21 Years                     | 38 Years                     |
| 3       | Technical Assistant                     | 20 Years                     | 38 Years                     |
| 4       | Amin under Water Resources Department   | 21 Years                     | 38 Years                     |
| 5       | Amin under Directorate of Town Planning | 21 Years                     | 38 Years                     |

However, the upper age limit is relaxable by 5 years for candidates belonging to SEBC, SC, ST & all Women candidates, 10 years for candidates belonging to PwD category & the total period of service rendered in defence service in case of Ex-servicemen. PwD candidates in the ST & SC category shall be entitled to cumulative age relaxation of ten years over & 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. To be eligible, candidates for the post of Weaving Supervisor and Amin not enjoying any relaxation of upper age limit, must not have been born earlier than **2<sup>nd</sup> January 1985** and not later than **1<sup>st</sup> January 2002** and candidates for the post of Technical Assistant not enjoying any relaxation of upper age limit, must not have been born earlier than **2<sup>nd</sup> January 1985** and not later than **1<sup>st</sup> January 2003**.

- c. 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 & 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.)

- d. 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.
- e. Sports person candidates claiming reservation must submit sports ID Card issued by Director of Sports & Youth Service Department, Government of Odisha.
- f. 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.
- g. 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. a. 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 & Marks   | Total Marks | Remarks   |
|-----------------------|-------------------------|--|-------------|---|
| Stage-I               | Preliminary Examination | <u>One Paper</u> <ul style="list-style-type: none"> <li>• Arithmetic– 10<sup>th</sup> standard</li> <li>• Data Interpretation (Chart, Graph, Table, Data Sufficiency etc.) – 10<sup>th</sup> standard</li> <li>• Logical Reasoning and Analytical Ability, General Mental Ability.</li> <li>• Current Events of National and International Importance.</li> <li>• Computer / Internet Awareness</li> </ul> | 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>• Approximately 5 times of number of vacancies category wise and post wise shall be shortlisted for the Main Written Examination.</li> <li>• The Commission at their discretion may fix minimum qualifying mark in Preliminary Examination in different categories for different Technical Posts/Services</li> </ul> |



| Stages of Examination | Type of Examination      | No. of Paper & Marks  | Total Marks | Remarks   |
|-----------------------|--------------------------|---|-------------|---|
| Stage-II              | Main Written Examination | Technical Paper-<br>There shall be different Technical Papers for different posts/services as per qualification prescribed for the post. Detail Syllabus (Regulation 1 of 2023) annexed in annexure 'C' | 200         | Candidates approximately 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 |   |             | The candidate who fails to attend the document verification, his/her name will not be considered for the post.  |

**NOTE:** In pursuance of GA & PG Department Notification No-29246, dated 18th October 2022, the Preliminary and Main examination, shall be conducted both in Odia and English. The Candidate who desires to answer the paper in English shall exercise his option in the application form. **All may note that the option once given cannot be changed.** Options are available in the online application form.

- (I) There shall be no provision for re-evaluation/ re-checking of the scores. No correspondence in this regard shall be entertained.
- (II) There will be a penalty (Negative marking) for wrong answers marked by the candidate in examinations consisting of Multiple Choice Questions. The Quantum of penalty/ negative marking will be **1/4 of total** mark for each wrong answer.
- (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. Approximately **five times** the number of vacancies may be called for Main written examination basing on the marks secured in preliminary examination. However, minimum 20 (twenty) candidates will be called to appear the Main Examination in each post/ Service even if number of vacancy is less than 4.
- (IV) Based on the performance in the Main written examination candidates approximately 02 times 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.**

- b. The candidates who fail to appear at any stage of the recruitment process will not be considered for final selection and their names will not be included in the merit list.



- c. Any complaint on the conduct of examination must be sent to the commission by email “[support.osscc@gov.in](mailto:support.osscc@gov.in)” within 05(five) days of completion of examination.

**5. 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 Admission Letter. The Admission Letters can be downloaded by the eligible candidates by accessing the Commission’s website from time to time.

**6. \*Option/Preference of Candidates:**

Candidate will specify clearly in her/his application the service(s) for which she/he wishes to be considered. If she/he applies for more than one service she/ he will be asked to submit her/his preference at appropriate stage. Candidates should give preference only for such post/service for which they are eligible.

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

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

The candidates will be required to produce their Original Academic Certificates, Mark sheets, caste certificate, special category certificate, NOC in case of Govt. 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 applicant. **(Details are enclosed in Annexure-B).**

**NOTE: Candidates who fail to appear for document verification will not be considered for final selection.**

**8. Admission Letter:**

- a. The Commission shall upload the admission letter on its Website [www.osscc.gov.in](http://www.osscc.gov.in) for the convenience of the candidates.
- b. Admission of a candidate for the 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 issue 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. MeritList:

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 marks secured by them in main written examination.

**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 they 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 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 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 fire arms/ 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.
- 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 of selection, conduct of examination(s), allotment of examination centres and preparation of merit list & 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 in the OMR answer sheet correctly mentioning the Roll Number and other data as required in the place(s) indicated therein and darken the appropriate circles in Blue or Black Ball Point Pen only properly. If the information so furnished is incomplete or different from the application form or not darken the appropriate circle properly then ZERO mark will be awarded.
- b. In Descriptive Paper, candidate must write her/his correct Roll Number at the prescribed place on the cover page of the Answer Book. Candidates must also affix their signature in the relevant columns of Attendance Sheet. Answer Books not bearing Roll Number will not be evaluated and such candidates shall be awarded zero marks.
- c. Candidates shall not write any identity particulars e.g., name, Roll number, Mobile number, address, etc. inside the Descriptive Answer Book. Candidates who fail to adhere to these instructions will be awarded zero marks.



- d. There shall be no provision for re-evaluation/ re-checking of scores in the Examination. No correspondence in this regard shall be entertained.
- e. Sharing of marks with the candidate: Marks obtained by an applicant in Preliminary Examination, Main Examination are proposed to be shared with him/her after final merit list is published.
- f. This is a State Cadre post. The candidate, on selection, may be asked to serve anywhere in Odisha.
- g. If a candidate scoring more than cut-off marks at any Tier/stage of the examination is not qualified for the subsequent stage/ final selection due to any reason, he must represent to the Commission within one month of the declaration of the result.
- h. **Applicants who are Odisha Government servant should obtain a “No Objection Certificate” from their controlling authority and upload the same with the Online Application failing which their candidature for the post will be rejected. At the certificate verification stage they must produce the original “No Objection certificate”. Those who were not Odisha Government Servants at the time of submission of application but became Government Servants subsequently during the recruitment process must submit No Objection Certificate at the stage of certificate verification. Those Odisha Govt. servants, who are unable to produce the No Objection Certificate during the Certificate Verification, will not be included in the merit list. Similarly, if any candidate hides her/his Odisha Govt. servant status, and found to be an Odisha Govt. servant on the day of Certificate Verification or before, will not be included in the Merit List.**

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 the notice of examination 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 like to undertake detailed scrutiny of applications for the eligibility and other aspects at the time of 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 the Notice. 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 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 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 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, his candidature will be cancelled and 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 Matriculation 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 to 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 required Medical Certificate/ Undertaking/ Photocopy of the Scribe's Photo ID Proof, as specified in advisory Notice No.3453/OSSC dated 24.10.2019 available in the website of the Commission.
- In case of fake/ fabricated application/ registration by misusing any dignitaries name/ photo, 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 this 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-Servicemen 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-Servicemen 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 Odisha Government servant should obtain a "**No Objection Certificate**" from their controlling authority and upload the same with the Online Application. At the certificate verification stage they must produce the original "No Objection Certificate". Those who were not Odisha Government Servants at time of application but became Government Servants subsequently during the recruitment process, must submit No Objection Certificate at stage of certificate verification. Non Submission of No Objection Certificate shall be treated as disqualification and the candidate shall forfeit his/her candidature for the post.
- 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. PMF/Handloom Weaving and Design Training Certificate (As applicable for the post).
- f. +2/equivalent certificate & mark sheet (As applicable for the post).
- g. Diploma Certificate & Mark sheet (As applicable for the post)
- h. Graduation & equivalent pass Certificate & marksheet (As applicable for the post).
- i. Caste certificate issued by the competent authority for the purpose of employment/service. (In case of ST, SC & 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.
- j. 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.
- k. Photocopy of permanent disability certificate issued by UDID (by Appropriate Medical Authority) in case of PwD candidates.
- l. Discharge certificate, identity card and document indicating the period of service rendered in defence forces in case of Ex-Servicemen candidates.
- m. Sports Identity Card issued by Director of Sports & Youth Service Department, Govt. of Odisha in case of sports person candidates.
- n. NOC in case of candidates working in Government Service.

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## ANNEXURE-C

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

#### **A. FIBRE SCIENCE**

Classification, Manufacturing, Properties, Uses and Identification of both Natural and Synthetic Fibres. Melt, Wet and Dry Spinning

#### **B. YARN MANUFACTURE**

Objectives and Mechanism of Ginning, Carding, Drawing, Doubling, Drafting, Combing and Compact Spinning Machineries used and their functions, maintenance of machineries, Yarn defects with remedial measures.

#### **C. FABRIC MANUFACTURE**

Objectives of Warp & Weft Winding. Types, Features & Mechanism of different Winding Machines, Fabric Defects and remedial measures. Sizing, Parts of different looms and their functions with working principle. Fabric Designs, Drafting, Lifting and Denting.

#### **D. TEXTILE CHEMICAL PROCESSING:**

Objectives of various pre-treatment like Singeing, De sizing, Scouring, Souring, Bleaching, Mercerising and their Methodologies using different machineries. Classification of Dyestuffs. Dyeing & Printing. Dyeing Recipes, Working principles of Dyeing Machineries. Colour Fastness, Printing Pastes. Different Finishes like Calendaring, Heat Setting, Anti Crease, Water Proof, Flame Retardant, Softening, Stiffening, Moth Proof, Optical Whitening, Antimicrobial.

#### **E. TEXTILE TESTING:**

Factors influencing Testing of Fibre, Yarn and Fabric. Fibre. Yarn and Fabric Quality. Principle of Testing. Air & Water Permeability, Tensile, Tearing, Bursting Strength, Evenness, Fibre Maturity, Impurities, Abrasion Resistance and Pilling. Machineries used in Textile Testing and their functions.

#### **Syllabus for Textile Testing**

Brief idea on sampling, Explain Humidity and its Relation to Textile materials, processes & machines, Absolute and relative humidity, Standard atmospheric condition, Describe Moisture content and Moisture regain and their measurement, Moisture hysteresis curve analysis. Describe purpose of Measurement, uses and classification of different fibre dimensions, Explain different types of Length of fibres, State measurement of fibre length by Baer Sorter, Fibro-graph etc, Fibre fineness and maturity, State measurement of fibre fineness and maturity by Caustic Soda method and air flow method. Brief ideas on HVI (High Volume Instrument) & AFIS (Advance fibre Instruments System), Define the terms - stress, strain, tenacity, breaking length, elastic limit creep, crimp, initial modulus etc., Methods of measurement of strength of single fibre, Bundle fibre, Explain the working principle of Stelometer, Define yarn count & various yarn numbering system, Determination yarn count, State the twist in single and ply yarns, Explain factor and its relation to yarn structure, Describe yarn diameter measurement and its relation with yarn count, Brief idea on CRT, CRL & CRE. State & Explain different principles of Textile Testing, Discuss Short term, long term and medium



term variation and their causes, Define Index of irregularity, Nature and causes of irregularities, Explain methods of assessing yarn irregularity by Visual cutting and weighting, photoelectric and capacitance methods, Define Yarn Hairiness & Explain ASTM Yarn grading. Classimat yarn faults. Explain measurement of Dimensions and Physical Properties of Fabrics, Determination of fabric dimension properties like Thickness, weight, shrinkage, air permeability, water permeability, crimp, stiffness and crease recovery, drape, fabric handle, fabric cover. Determination of tensile strength(Strip & Grab test), Tearing strength, Bursting Strength of cloth, Explain abrasion resistance and pilling.

### **Syllabus for Textile Chemical Processing**

Pre-cleaning, Mending. Stamping, stitching, Shearing and cropping, Brief idea on Shearing and cropping M/c, Singeing. Different methods of singeing (Plate, Roller and Gas Singeing), drawbacks and advantages, Object, types, method details and mechanism of removal of starch. Efficiency of desizing Objectives, mechanism of removal of impurities, recipe and controlling parameters. Scouring of textiles, evaluation of scouring efficiency. Scouring of natural, man-made and blended textiles, Degumming of silk, Brief idea on Souring Objectives of bleaching, classification of bleaching agents, hypochlorite, peroxide and chlorite bleaching. Field of application - Bleaching of cotton, silk. wool, and man-made blended textiles by suitable bleaching agents. Controlling parameters and mechanism, Classify dyes and pigments used in textile industry, Compare between natural and synthetic dyes, Dyeing of textiles of natural fibres with suitable dyes. Working principles of Winch, Jet, Beam, Hank and Package Dyeing machine, Jigger, J-Box system, Dyes used for man made fibres, State Dyeing of polyester with disperse dyes by carrier, HTHP and Thermosol method, State the Dyeing of Polyester /Cotton and polyester/ Wool blended fabrics with suitable dyes, State the Dyeing of Nylon with acid ,State the Dyeing of Acrylic with basic dyes, State the Dyeing of acetate with disperse dyes. Discuss faults caused in dyeing and their remedies. Objects of printing, Differentiate between dyeing and printing, Preparation of printing paste, State the sequence of printing, Thickeners used in printing, Classify and state the functions and properties of thickeners, Discuss after treatments given to printed fabrics, Discuss Auxiliaries used in printing. Methods & Styles of printing, Differentiate between Dyes and printing, Discuss styles of printing - Direct, Discharge & Resist, Discuss Different methods of printing -Block printing, Screen Printing, Rotary screen Printing, Roller printing, Transfer printing. Brief idea about preparation of screens for printing. State the objects of finishing, Classify finishes, Discuss importance of mechanical finishes., State the objects of calendaring and working of different calendars, State



the objects of stentering and working of different stenters. Discuss principles of sanforizing, Objects and methods of heat setting, Discuss methods of application of soft finishes, stiff finishes, resin finish, water proof and water repellent finish, flame retardant finish, fire proof finish, anti pilling finish, carbonization, Moth proof finish, Optical whitening, anti mildew finishing, anti microbiale etc, objects of Mercerisation, Physical, Chemical & Structural Changes occurred after mercerization.

### **Syllabus for Fabric Manufacture**

Objects of warp and weft winding. Different types of yarn packages, Types of winding M/C (specially precession & non precession), Features of warp and weft winding machine (anti patterning device, knotters, splicers, electronic clearers, slub catchers, yarn tensioners, waxing, different types of traverse mechanisms) Classification of yarn faults, Package defects and their remedies, Modern developments in winding machine, Calculations related to winding (related to traverse ratio, winding angle, winding speed, yarn tensioner. production of machines). Objects of warping, Types of warping machine (direct and sectional), Explain passage of yarns through sectional & beam warping M/C, Features of high speed direct and sectional warper (types of creel, stop motions, tensioners etc.), Package defects and their remedies, Recent developments in warping machine, Calculations related to warping, Objects of sizing, Sizing ingredients- their properties and functions, Preparation of size paste- formulation, cooking equipment and storing, slasher sizing machine- general description, Different types of creel, Design of size box, heating and temperature control, level control, immersion rollers and squeeze rollers, wet splitting. Basic motions of loom, Brief idea on Handloom and its different parts. Idea on Dobby & Jacquard. Fabric faults, Modern shuttle less looms and its working mechanism. Different fabric designs (simple, complex and compound structures), drafting, lifting, denting etc.

### **Syllabus for Yarn Manufacture**

State the purpose of ginning: Describe working principles of roller & Saw Gin, Baling, objects of Mixing general consideration for preparation of cotton mixing, Methods of mixing and blending. Principal action in opening and cleaning. Study of various types of machinery arranged in the sequence of a single process Blowroom Line for the various type of mixing. Method of dust extraction in Blow Room. Study of lap forming unit and chute feed mechanism and their comparison. Process parameters of Blow Room. Waste control in Blow Room. Calculation relating to production and efficiency of machines. Maintenance schedules. Objects of Carding. Constructional Features of Carding Machine. Principles of carding & stripping actions, Study of different parts and function of a Carding Machine. Settings and gauging of different parts of Carding Machine. Mechanical and Actual draft. Mechanics of fibre entanglement and fibre transfer during carding, Mechanics of neps and hook formation and its effect on yarn quality. Card waste -types and control. Calculation of production, speed, draft etc related to carding machine. Maintenance schedules. Study of the function of Auto



leveller in Card. Explain the objects of Drawing, Discuss principles of doubling and drafting, Explain the passage of material and function of different parts, Study various modern drafting system, Roller settings, Drafting wave, Roller slip, Top roller weighting, Electronic stop motion, Discuss the technological design change in modern draw frame, Explain drafting roller arrangement, auto levelling, suction arrangement and auto doffing. Objects and importance of combing, Explain the need for comber lap preparation, Discuss silver doubling and ribbon lap M/C, unilap M/C, Degree of combing, Combing cycle types of feed, Discuss Cylinder clothing, clamping line distance, increase in nips/min, concentric nipper movement, Explain the performance affecting quality of combed cycle. Explain the objects of speed frame, Discuss passage of material through S/F and function of important parts, Explain modern drafting system, Discuss principles of twisting winding & package formation., Explain Differential motion used in modern speed frame. Discuss modern developments in speed frame; drafting –builder; twisting-driving system, other features-creel, package size roving tension control, flyer, suction etc. State the purpose and principles of Ring Spinning Machine, State the passage of Material and function of various parts of the machine, Explain Modern drafting systems on Ring Spinning machine, Top roller weighting system, top covering & mounting, roller setting and spinning triangle, cots & aprons, Describe Rings and Travellers, State Function of rings & travelers, types of rings, ring size and flange number, running in of rings, types of traveler, traveler number, selection of traveller, Explain Twisting & Winding, Twist multiplier, Describe Build of bobbin, building motion, Describe Drives of Ring spinning machine, Explain balloon control ring, State causes & end breakages, yarn defects & remedies, Describe information in ring spinning needs and possibilities, Explain End break Aspirators, Monitoring, Piecing devices, Ring data, Automatic doffing, Describe special attachment such as Automatic doffing and pneumatic waste extraction, Explain Gearing Diagram, Calculation of speed, production and efficiency in Ring spinning machine, State lubrication and maintenance of High speed Ring spinning machine, Brief idea on Compact spinning.

### **Syllabus for Fibre Science**

Basic concept on Polymer and classification, Degree of polymerization, Brief idea on different polymerization methods, Features of fibre forming polymers. Concept of fibre, Classification of textile grade fibres, Concept of staple fibre and filament, State the essential & desirable properties of Textile grade fibre. Brief idea of extraction of fibres from their natural resources like- cotton, silk, jute etc.; Morphological structure of Cotton, silk, wool and Jute fibres;



Physical, Chemical Properties of natural fibres like- Cotton, wool, Silk, jute, Flax etc. and end uses; Identification of natural fibres by physical & chemical processes. State the principles of Melt, Wet & Dry Spinning; Describe the manufacturing process & properties of Viscose rayon fibre from wood pulp. concept of high tenacity viscose rayon; Describe the manufacturing process of secondary & triacetate acetate rayon fibre; Describe manufacturing Process, Properties & end uses of – Nylon6, Nylon 66, Polyester, Acrylic & Mod-acrylic, etc.

## **SYLLABUS OF TECHNICAL PAPER FORMAIN WRITTEN EXAMINATION FOR THE POST OF TECHNICAL ASSISTANT**

**(Question Papers shall be of 10<sup>th</sup> standard passing the certificate course in Handloom, Weaving & Design)**

### **01. FABRIC STRUCTURE & CLOTH ANALYSIS**

- Classification of Textiles Design
- Study of Design, Draft and peg plan
- Preparation of Design for plain weave and Its derivatives
- Preparation of Design for Twill, Satin weaves & Its derivatives.
- Colour and weave effect.
- Towelling of cloth, Honey Comb, Huck a back, Terry weave
- Double cloth, Tubular cloth
- Leno weave, Mock leno weave
- Extra warp, Dobby, Jacquard
- Extra weft, Jalla Weave, Insertion of Buty
- Study on tradition product of Orissa, -Bomkoi, Habaspuri, Khandua, Dhalapathar Parada.
- Product diversification for export oriented
- Solid Border Design
- Property of Fibre.
- Natural and manmade fibre, staple length, TPI (Turn per inch), Twist, Moisturecontent, Strength, Single thread and lea, count

#### **Cloth Analysis**

- Equipment used for cloth analysis
- Various aspect of cloth analysis
- Quantity of yarn required per square meter of fabric

### **02. WEAVING MECHANISM:**

#### **Pre loom processing:**

- Winding, Warping, Type of warp, Different parts of warping machine, Denting, Drafting of threads

#### **Type of Loom:**

- Study of various types of looms in the country,
- Classification of loom.



### **Types of motion**

- Primary, Secondary, Auxiliary.
- Tie up arrangement
- Type of reed and heald and its uses
- Dobby- Types of Dobby- Tapped, Barrel, and lattice- Mounting of doobby
- Principle and working of Jacquard Machine-60 hooks, 100 Hooks, 200 hooks, Card cutting, lacing, harness building

### **03. TEXTILE CHEMISTRY**

#### **Use of water in handloom industry:**

- Hardness of water, boiling
- Scouring and bleaching of cotton yarn

#### **Various types of dyes: Direct, Azoic, Vat, Sulphur, Acid, Metal complex, Reactive, Disperse dyes**

- Selection of Azo free eco- friendly synthetic dyes
- Fibre suitable for various dye stuff
- Effect of mercerization on cotton yarn
- Degumming of silk and tassar yarn
- Different types of natural dyes and its application
- Different types of fastness properties
- Common defects in dyeing and improvement of dye fastness

#### **DIFFERENT TYPES OF FINISHES ON COTTON AND SILK:**

**Cotton:** Sizing, Calendering and anti crease

**Silk:** Scrooping and weightening

### **04. TEXTILES CALCULATION**

- Counting system of Yarn (Direct/ Indirect/ Universal)
- Conversion of count
- Average count and resultant
- Reed and Heald calculation
- Diameter of yarn- Fixation of ends/ inch & Picks /inch- cover factor
- Various aspects of yarn (Count, twist, strength etc)
- Warping calculation
- Take up motion calculation
- Costing of fabric

### **05. TIE & DYE (IKAT TECHNOLOGY)**

#### **Ornamentation of fabric**

- Different methods and comparative study on fabric ornamentation
- Printing, Extra warp, Extra Weft, Tie & Dye
- Fancy yarn, Colour and weave, Count Variation
- Variation of tension, use of different machines (dobby, jacquard, jalla etc.)

#### **Type of Ikat (Resist method)**

**Fabric-** Fold resist, stitch resist, wrap resist, tensile resist, wax resist ((Batic), Mordant resist

**Yarn Resist method** (Yarn Tie & Dye)



This Card/Certificate is meant to certify the disability of the person and is not an instrument for ID/Address Proof for any purpose.

**Preparatory process for yarn Tie & Dye)**  
**Preparation of yarn** (Scouring, bleaching), Winding, design & Colour selection, yarn set up for fabric.

- Weft Ikat preparation of sub group, preparation of group, tying and dyeing, washing and drying, untying, separation from groups to subgroups and subgroup to individual thread, winding of pirn
- Warp Ikat- Preparation of Yarn-set up for fabric, warping, selection of subgroups, selection of group, folding up to desired length, tying and dyeing, washing and drying, untying, separation of group to subgroup and subgroup to individual thread, fitting on loom.
- Double Ikat- Design selection- Yarn set up of formal process of warp and weft Ikat in repeat.
- Combined Ikat- Combination of warp/weft or double Ikat or any two selection of tied materials, design repeats, fabric set up, enlargement of paper design.
- Calculation of Raw material
- Weft yarn-Warp yarn-Boarder-Anchal-Extra warp-Extra weft- Yarn for the fabric
- Study of various traditional Tie & Dye Design of fabrics of Orissa
- Khundua, Tarabali, Nabakothari, Nabarangi, Saktapur, Bichitrapur, Bijayapuri, Aswani, Baghambari
- Comparative study of Ikat Fabric in India, Orissa Ikat, Puchamapalli, Ikat and Patola- Recent development in Tie & Dye.

#### **06. MADE UP GARMENTS (THEORY)**

- Basic tailoring, Cloth cutting, Stitching, Designing on patch work

#### **07. HANDLOOM ECONOMICS AND MANAGEMENT**

- Handloom Statistic of Orissa- Brief scenario of Indian Handloom Industry of Orissa
- Government Scheme policy for development of Handloom Industry in the state as well as the Country.
- Brief note on various Committee Reports on Handloom Industry.
- Various Important Handloom Clusters of India and its products.
- Various Important Handloom Clusters of Orissa and its products.
- Study on modern management.
- Total Quality Management (TQM)
- Economical Ordering Quantity (EOQ)
- Project Management-Constitution of S.H.Gs and S.M.Es
- Administration, Finance, Marketing Management related to S.H.Gs, S.M.E.s, Co-operatives etc.

#### **08. COMPUTER-AIDED-DESIGNS**

- Module 1- Computer Fundamental
- Module 2- Windows Xp
- Module 3-MS Words 2003
- Module 4-MS Excel-2003
- Preparation of Handloom Design and colour
- Computer aided Design
- Colour Cycle, Floral & all over Design, Colour Combination  
Designs for Dobby, Jacquard, Jalla weave with the help of computer



# **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



**SYLLABUS OF TECHNICAL PAPER FOR MAIN WRITTEN EXAMINATION  
FOR THE POST OF SOIL CONSEREVATION EXTENSION WORKER**

Syllabus of Technical Paper (Paper-II)

Part-I:

Mathematics- Arithmetic, Algebra, Geometry, Mensuration, Trigonometry and Statistics

Part-II:

a) Physics

b) Chemistry

c) Biology

d) Field Crops- cereals, pulses, oilseeds, Fibre crops, Commercial crops Fruits, Vegetables, Plantation crops, Floriculture Pasture & Fodder cultivation

Major soil types of Odisha

Manures and Fertilizers

Farm implements & uses

Agro climatic zones of Odisha

Brief knowledge about hydrology cycle

Soil and Water Conservation

**SYLLABUS OF TECHNICAL PAPER FOR MAIN WRITTEN EXAMINATION  
FOR THE POST OF AYUSH ASSISTANT**

A. Physics

B. Chemistry

C. Biology

Questions shall be based on the (10+2) Science Syllabus of CHSE.