

TELANGANA STATE PUBLIC SERVICE COMMISSION: HYDERABAD

NOTIFICATION NO. 18/2022, DATED: 29/11/2022

**VARIOUS NON-GAZETTED CATEGORIES OF POSTS IN GROUND WATER DEPARTMENT
(GENERAL RECRUITMENT)**

PARA – I:

- 1) Applications are invited Online from qualified applicants through the proforma Application to be made available on Commission's website (<https://www.tspsc.gov.in>) to the post of **Various Non-Gazetted Categories of Posts in Ground Water Department in the State of Telangana.**
 - i) Submission of ONLINE applications starts from Dt. **07/12/2022.**
 - ii) Last date and time for submission of ONLINE applications is upto 5.00 PM on **28/12/2022.**
The payment of Fee will be accepted upto 5:00 P.M of last date for submission.
- 2) The details of vacancies are given below: -

PC. No.	Name of the Post	No. of Vacancies	Age as on 01/07/2022 Min. Max.	Scale of Pay Rs.
01	Technical Assistant (Hydrogeology)	07	18-44	51,320-1,27,310/-
02	Technical Assistant (Hydrology)	05		
03	Technical Assistant (Geophysics)	08		
04	Lab Assistant	01		32,810-96,890/-
05	Junior Technical Assistant	04		31,040-92,050/-

(The Details of Vacancies i.e., Community-wise, PH-wise, EWS, Sports Category, Multi Zone/ Zone and Gender-wise (General/Women) may be seen at Annexure-I.)

IMPORTANT NOTE:- The number of vacancies are subject to variation on intimation being received from the Department concerned. Addition of vacancies if any, will be accepted only before the date of examination and an addendum to that effect will be issued. Deletion of vacancies if any, can be effected upto the declaration of result.

- 3) (i) **The Examination (Objective Type) is likely to be held in the Month of March/April-2023 and the Commission reserves the right to conduct the Examination either through COMPUTER BASED RECRUITMENT TEST (CBRT) OR OFFLINE OMR BASED EXAMINATION OF OBJECTIVE TYPE.**

(ii) **Exact date for the above examination will be announced later.**

(iii) **Hall Tickets can be downloaded from 7 days prior to the examination.**

(iv) **Candidates are instructed to read the instructions at Annexure-IV of this Notification and Instructions printed on the Hall Ticket carefully, without fail.**

- 4) Before applying for the posts, candidates shall register themselves on the One Time Registration (OTR) through the Official Website of TSPSC (<https://www.tspsc.gov.in>). Those who have registered in OTR already shall apply by login to their profile using their TSPSC ID and Date of Birth as provided in OTR. (In case if the candidate has forgotten the TSPSC ID, the candidate has to visit the TSPSC website and click on the link "Know Your TSPSC_ID" and enter the Aadhar Number and Date of Birth and get the TSPSC-ID). If the candidate did not register Aadhar Number in OTR, candidate has to enter either his/her registered mobile number or Name and Date of Birth to get the TSPSC ID).

Note:- i) One Time Registration is not considered as an application for any post under any circumstances.

ii) The applicants are advised to retain their Mobile Number and email id registered in OTR for receiving OTP/SMS for further communication.

IMPORTANT NOTE: Applicants are requested to keep the soft copy of the following documents ready while uploading their Applications and updating the OTRs.

- i. Aadhar Card /Voter ID / Pass Port / Driving License / Service ID Cards with (Photograph issued by Central/State/PSU/Public Limited Companies) / Passbook with (photograph by Bank / Post Office) / PAN Card.
 - ii. Educational Qualifications i.e., SSC, Intermediate, Degree, Post Graduation etc.,
 - iii. Study (Bonafide) / Residence Certificate (1st to 7th Class period).
 - iv. Community Certificate (SC/ST/BC), Non-Creamy Layer Certificate in case of BCs issued by the competent authority of Telangana Government.
 - v. Income certificate for the Financial Year prior to the year of application issued by the competent authority of Telangana Government for claiming EWS reservation.
 - vi. Certificates claiming Sports & PH reservation, and age relaxation for Ex-Servicemen.
- 5) The applicants who possess requisite qualification may apply online by satisfying themselves about the terms and conditions of this recruitment.

6) EDUCATIONAL QUALIFICATIONS: Applicants must possess the requisite qualifications as detailed below, specified in the relevant Service Rules, indented by the Department, **as on the Date of Notification.**

PC. No.	Name of the Post	Educational Qualifications as specified in the Service Rules of the department
01	Technical Assistant (Hydrogeology)	Must possess M.Sc. or M.Sc. (Tech.) or M.Tech., in Geology or Applied Geology or Hydrogeology from any University or Diploma of Associateship in Applied Geology of the IIT, Dhanbad Note1: Any reference in these Rules to a Degree shall mean the Degree of a University in India established or incorporated by or under a Central Act, Provincial Act or State Act or any other equivalent recognized qualification. Note2:- Any reference in these Rules to a Diploma shall mean the Diploma of a University or a Board in India established or incorporated by or under a Central Act, Provincial Act or State Act or any other equivalent recognized qualification.
02	Technical Assistant (Hydrology)	Degree in B.E (Civil Engineering) with Geology as one of the subjects or M.Sc(Hydrology) 2 years course. Note: Any reference in these Rules to a Degree shall mean the Degree of a University in India established or incorporated by or under a Central Act, Provincial Act or State Act or any other equivalent recognized qualification.
03	Technical Assistant (Geophysics)	Degree in M.Sc or M.Sc (Tech) or M.Tech or its equivalent in Geophysics. Note: Any reference in these Rules to a Degree shall mean the Degree of a University in India established or incorporated by or under a Central Act, Provincial Act or State Act or any other equivalent recognized qualification.
04	Lab Assistant	Degree in Science with Chemistry as one of the subject. Note: Any reference in these Rules to a Degree shall mean the Degree of a University in India established or incorporated by or under a Central Act, Provincial Act or State Act or any other equivalent recognized qualification.
05	Junior Technical Assistant	Degree in B.Sc with Geology or Graduation with Mathematics or Geology as one of the subject. Note: Any reference in these Rules to a Degree shall mean the Degree of a University in India established or incorporated by or under a Central Act, Provincial Act or State Act or any other equivalent recognized qualification.

N.B:- i) Distance Education:- The Applicants who have obtained requisite Degrees through Open Universities / Distance Education mode are required to have recognition by the University Grants Commission / AICTE / Distance Education Bureau as the case may be. Unless such Degrees have been recognised by the relevant Statutory Authority, they will not be accepted for purpose of Educational Qualification vide its Public Notice No. F.27-1/2012 (CPP-II), Dt. 27/06/2013. (A university established or incorporated by or under a State act shall operate only within the territorial jurisdiction allotted to it under its Act and in no case beyond the territory of the State of its location). The onus

of proof of recognition by the relevant Statutory Authority that their Degrees / Universities have been recognised rests with the candidate.

- ii) **Equivalent Qualification:** At the time of verification of certificates, if it is noticed that any applicant possessing other than prescribed qualification and claims it as equivalent to the prescribed qualifications, then an Expert Committee will be constituted including the Unit Officer by the Commission and the Commission will take a decision based on the report of the Expert Committee.

7) **AGE:** The candidates should possess Minimum 18 years & Maximum 44 years. The age is reckoned as on 01/07/2022 (Rule-12(1)(a)(v) of State and Subordinate Service Rules).

(As per G.O.Ms.No.42, G.A.(Ser.A) Department, Dt. 19/03/2022 the upper age limit is raised up to 10 years i.e., from 34 years to 44 years)

Minimum Age (18 years): An Applicant should not be born after **01/07/2004**

Maximum Age (44 years): An applicant should not be born before **02/07/1978**

The Upper Age limit will be relaxed as per Rules and will be calculated on the above lines.

Age Relaxations: The upper age limit prescribed above is however relaxable in the following cases:

Sl. No.	Category of candidates	Relaxation of age permissible
1.	Telangana State Government Employees (Employees of TSRTC, Corporations, Municipalities etc. are not eligible).	Upto 5 Years based on the length of regular service.
2.	Ex-Service men	3 years & length of service rendered in the armed forces.
3.	N.C.C. (who have worked as Instructor in N.C.C.)	3 Years & length of service rendered in the N.C.C.
4.	SC/ST/BCs & EWS	5 Years
5.	Physically Handicapped persons	10 Years

Note: Provided that the persons referred at Sl.No. 2&3 above shall, after making deductions referred to in Sub Rule–12(c)(i)&(ii) of Telangana State and Subordinate Service Rules not exceed the maximum age limit prescribed for the post.

- The age relaxation for Ex-servicemen is applicable for those who have been released from Armed forces other than by way of Dismissal or Discharge on account of misconduct or Inefficiency.
- The age relaxation for NCC, a Person who was recruited as a whole-time Cadet Corpse Instructor on or after the 1st January, 1963 on his discharge from the NCC either before or after the expiry of the initial or extended tenure of his office in NCC having served for a period of not less than six months prior to his release from the NCC.

N.B. However, no person shall be eligible if he/she crossed 61 years of age (Superannuation age) after availing the eligible age relaxations as on 01/07/2022.

8) (A) FEE:

- Application Processing Fee:-** Each applicant must pay Rs. 200/- (Rupees Two Hundred Only) towards Online Application Processing Fee.
- Examination Fee:-** The applicants have to pay Rs.80/- (Rupees Eighty Only) towards Examination Fee. However,
 - All unemployees are exempted from payment of examination fee, and
 - All Employees of any Government (Central / State / PSUs / Corporations / Other Government Sector) have to pay the prescribed examination fee.

B) **Mode of Payment of Fee:**

The Fee mentioned at Para-I(8)(A) is to be paid online through payment gateway duly following online instructions once the application form details are submitted.

The fee once remitted, shall not be refunded or adjusted under any circumstances. Failure to pay the Application Processing fee and Examination fee, wherever applicable, will entail total rejection of application. Unless full payment of both Examination fee (**unless exempted**) and Application fee is made, the candidature of the applicant will be rejected and no correspondence or concession in this regard will be entertained. The list of Banks providing service for the purpose of online remittance of fee is given in **ANNEXURE – II.**

PARA-II: CENTRES FOR THE WRITTEN EXAMINATION:

The Written Examination (Objective Type) will be held at the **HYDERABAD only (including HMDA Jurisdiction)** or as decided by the Commission.

PARA-III: HOW TO APPLY:

HOW TO SUBMIT THE ONLINE APPLICATION FORM:

- (i) The Applicant has to read the **User Guide** (<https://www.tspsc.gov.in>) for Online Submission of Applications and then proceed further.
- Step I:** Before applying, the Applicant has to visit the website (<https://www.tspsc.gov.in>) and fill the OTR application if not registered earlier to obtain TSPSC ID. The candidates are advised to upload all the required certificates (However, original certificates have to be produced for verification at the time of scrutiny before finalizing the selection list). While filling the OTR, the applicant has to ensure that there are no mistakes in it. The Commission will not be held responsible for the mistakes, if any, made by the applicants. If already registered in the OTR the applicant can directly access the application form. The applicant is instructed to fill his/her application form himself/herself with utmost care instead of delegating to others.
- Step II:-a)** In order to fill the application form, the Applicant has to visit the website (<https://www.tspsc.gov.in>) and Click on the online Application Link provided on the Website, then enter TSPSC ID and Date of Birth and login with OTP received to proceed further.
- b) Applicant has to verify the details fetched from OTR database pertaining to Name, Date of Birth, requisite Educational Qualifications, Community, Gender, Ex-Servicemen & Sports etc., displayed on the screen.
 - c) In addition to the details obtained from OTR database, specific details of Notification such as Examination Centre opted, required qualification and declarations etc., should be filled by the applicant.
 - d) Preview and Edit facility is available to make changes and then click on SAVE & PAY button for proceeding to next step of making online payment of fee through payment gateway.
- Step III:-** The applicant should pay the prescribed fee as specified through any of the three modes of payment online i.e., Net Banking, Debit Card and Credit Card duly following the instructions appearing on the screen.
- Step IV:-** After payment of fee, the PDF application will be generated which contains the particulars furnished by the applicant. The applicant must download a copy of his/her submitted form (PDF). The Reference ID Number in the PDF application form has to be quoted for future reference/correspondence.
- 1) Applicant shall note that, the details available in OTR database at the time of submitting the application will only be considered for the purpose of this notification. Hence, the candidate is advised to update / edit the details in OTR form before submitting online application form. The Time and Date of submission of the application will be printed on the application PDF form. Changes made by the applicant in OTR details after submission of application form will not be considered for the purpose of this Notification.
 - 2) The Commission is not responsible for any discrepancy in Bio-data particulars submitted in the application form. The applicant is therefore advised to strictly follow the instructions and User guide in his/her own interest before submitting the application.
 - 3) Applicant must compulsorily fill-up all relevant columns of the application form. The eligibility of the applicant will be decided based on the particulars given in the online application form in terms of notification and it is validated by the software and it will be taken as final. For eg: If an applicant fails to update the OTR regarding his/her Sports status before applying, the applicant will not be considered for Sports vacancies. Applicant should therefore be very careful, while entering the data and uploading / submitting the application form online.
 - 4) Incomplete / incorrect application form will be rejected. The information if any furnished by the applicant subsequently in any form will not be entertained by the Commission under any circumstances unless specifically called for. Applicant should be careful in filling-up the application form and submission. If any lapse is detected during the scrutiny/verification of certificates, the candidature will be rejected even though he/she comes through the final stage of recruitment process or even at a later stage.
 - 5) Before uploading/submission of application form, the applicant should carefully ensure his/her eligibility for this examination. No relevant column of the application form should be left blank, otherwise application form will not be accepted.

- 6) The Commission will not make any corrections in the application form submitted by the applicant.
- 7) Applicant must click on Save & Pay Button after filling and preview of the application. Otherwise the application particulars will not be saved in the database.
- 8) Hand written/ Typed/ Photostat copies/ outside printed Application Form will not be entertained. The Commission will not be held responsible for the applications submitted in any other mode.
- 9) For any Technical problems related to Online submission and downloading of Hall-Tickets please contact 040-23542185 or 040-23542187 (Call Time: 10.30 A.M to 1.00 P.M & 1.30 P.M to 5.00 P.M on working days) or mail to helpdesk@tspsc.gov.in.

PARA- IV GENERAL PROVISIONS

- 1) The applications received online in the prescribed proforma within the time shall only be considered.
- 2) Applicant must upload his/her scanned recent pass port size photo and signature in .jpeg format.
- 3) The applicant should not furnish any particulars that are false, tampered, fabricated or suppress any material information while submitting online application.
- 4) All the essential certificates issued by the competent authority of Telangana State shall be kept with the applicants at the time of submitting the application.
- 5) The required original certificates should be submitted at the time of verification of certificates or whenever called for. Failure to produce the required certificates will lead to disqualification.
- 6) **Important:** –The claim of the applicants with regard to the date of birth, educational qualifications and community etc., are accepted provisionally on the information furnished by them in their application form and is subject to verification and satisfaction of the Commission. Mere admission to any test or inclusion of the name of an applicant in a Merit List will not confer on the applicant any right for appointment. The candidature is therefore, provisional at all stages and the Commission reserves the right to reject candidature at any stage of the selection even after declaration of results, if any mistake/wrong information is noticed at a later date.
- 7) The applicants should be willing to serve anywhere in Telangana State.
- 8) **NOTE ON UTILISING EDIT OPTION BY CANDIDATES:**

The applicant should follow the TSPSC website regularly to utilize the edit option if given by the Commission at any point of time. No separate advertisement / notification will be issued in any news paper. No separate individual intimation shall be given.

9) Invalidation of OMR Answer Sheet: -

- a) If any applicant fails to bubble or wrongly bubble the Question Booklet Number, Hall Ticket Number in the OMR Answer Sheet, such Answer Sheets are invariably invalidated as they are valued by Optical Mark Reader. This stipulation is to avoid any sort of human interface in evaluation of the Scripts.
- b) Tampering of OMR answer sheet by using whitener, eraser, blade and chalk powder etc., and also tampering of barcode by any means leads to invalidation.
- c) No request for reconsideration of such rejected/invalidated cases will be entertained.

10) A) The following certificates / documents must be submitted by the candidates at the time of verification of certificates.

- i) PDF Application form
- ii) Hall Ticket.
- iii) Aadhar Card /Voter ID / Pass Port / Driving License / Service ID Cards with (Photograph issued by Central/State/PSU/Public Limited Companies) / Passbook with (photograph by Bank / Post Office) / PAN Card.
- iv) Proof of Educational Qualifications.
- v) S.S.C / CBSE / ICSE (For Date of Birth)
- vi) School Study Certificate (1st to 7th Class)
- vii) Certificate of Residence (where the Candidate has not studied in Educational Institution) (1st to 7th Class period) obtained from competent authority of Telangana Government.
- viii) Declaration by the Unemployed (For claiming exemption from payment of exam fee).
- ix) No Objection Certificate from Employer (even if employed at any later stage of recruitment).

- x) Service Certificate (If any employee claimed Age relaxation).
- xi) Certificate claiming sports reservation.
- xii) Certificate claiming Ex-servicemen for age relaxation.
- xiii) Community Certificate for BCs, SCs & STs (Issued in the name of candidate with Father Name is only acceptable.) obtained from competent authority of Telangana Government.
- xiv) Non-Creamy Layer Certificate for BCs as per Form- VIIB vide G.O. Ms. No. 34 BC Welfare (OP) Department Dt.08/10/2015 and G.O. Ms. No. 20 BC Welfare (OP) Department Dt.31/10/2017 (Certificate issued in the name of candidate as S/o OR D/o is only acceptable.) obtained from competent authority of Telangana Government.
- xv) Income certificate for the Financial Year prior to the year of application issued by the competent authority of Telangana government for claiming EWS reservation.
- xvi) In case of PH Candidates, Visually Handicapped / Hearing Disability & Hearing Impairment / Orthopedically Handicapped / Multiple disabilities, certificates should be obtained from Competent Medical Authority in SADAREM format relevant to them.
- xvii) Any other certificate required.

B) Guidelines for evaluation of various disabilities and procedure for certification are mentioned in G.O.Ms.No.31, WD, CW & (DW) Dept, Dt:01-12-2009.

1. Physically Challenged candidates who are claiming reservations under Disability quota must note that they will be referred to State Medical Board (Appellate Medical Authority) after completion of certificate verification. The report of Medical Board is final.
2. Request for re-medical-examination by the State Medical Board (Appellate Medical Authority) for assessment of disability will not be entertained.

Note:-The Certificate formats are available on Commission's website <https://www.tspsc.gov.in/certificateformats.jsp>.

PARA-V :- IMPORTANT LEGAL PROVISIONS GOVERNING THE RECRUITMENT PROCESS:

1. **Vacancies**: The recruitment will be made to the vacancies notified before the examination only. There shall be no waiting list as per G.O. Ms. No. 81 General Administration (Ser.A) Department, Dated 22/02/1997 and as per Rule 6 of TSPSC Rules of Procedure.
2. Unfilled and Non-Joining vacancies will be Carried Forward to next recruitment.
3. This Recruitment is entrusted to TSPSC along with Finance Clearance vide G.O.Ms.No.103 Finance (HRM.VII) Department, Dt. 01/07/2022.
4. **Recruitment**:- The Recruitment will be processed as per this Notification and also as per the Rules and Instructions issued by the Government and also as decided by the Commission from time to time in terms of respective Special Rules/Adhoc Rules governing the Recruitment vide G.O.Ms. No. 29 Irrigation and CAD (Service-III) Department, Dated. 05/09/2022, G.O. Ms. No. 186 General Administration (SPF.II) Department, Dt. 04/08/2021 and as per Government Orders issued from time to time, and other related G.Os, Rules etc., applicable in this regard.
5. **Rules**: All are informed that the various conditions and criterion prescribed herein are governed by the General Rules of existing State and Subordinate Service Rules, read with the relevant Special Rules applicable to any particular service in the departments. Any guidelines or clarification is based on the said Rules, and, in case of any necessity, any matter will be processed as per the relevant General and Special Rules in force.
6. **Constitutional Provisions**:- The Commission is empowered under the provisions of Article 315 and 320 of the Constitution of India read with relevant laws, rules, regulations and executive instructions and all other enabling legal provisions in this regard to conduct examination for appointment to the posts notified herein, duly following the principle of order of merit as per **Rule 3** of the TSPSC Rules of Procedure read with reference to relevant statutory provisions and ensuring that the whole recruitment and selection process is carried out with utmost regard to maintain secrecy and confidentiality so as to ensure that the principle of merit is followed.
7. **Multi Zonal and Zonal Post**:-
 - a) **For Post Code. No's. 01 to 03**: The posts are classified as Multi zonal posts, local reservation is applicable as per G.O.Ms.No.124, General Administration (SPF-MC), Department, Dated 30-08-2018.
 - b) **For Post Code No. 04 & 05 :-** The post is classified as Zonal Post and the local reservation is applicable as per G.O.Ms.No.124, General Administration (SPF- MC), Department, Dated 30-08-2018.

8. **Local:-**The Local Reservations shall be followed as per the Telangana Public Employment (Organization of Local Cadres and Regulation of Direct Recruitment) Order, 2018, G.O.Ms.No.124, General Administration (SPF-MC), Department, Dated 30-08-2018 as amended vide G.O.Ms. No. 128, G.A. (SPF-I) Dept., Dated: 30/06/2021 and other orders issued by the Government of Telangana from time to time and other related G.Os, Rules etc., applicable.
9. **Employee Details:-** The persons already in Government Service/ Autonomous bodies/ Government aided institutions etc., whether in permanent or temporary capacity or as work charged employees are required to inform in writing to the Head of Office / Department, that they have applied for this recruitment, as the case may be and required to submit the "No Objection Certificate" from the Head of Office / Department concerned to the Commission as and when required to do so.

The persons who are employed after submission of application or at any later stage for this recruitment should also submit "No Objection Certificate" from the Head of Office / Department concerned to the Commission as and when required to do so.

10. **A) Penal Action:-** The Commission is also empowered to invoke the penal provisions of the T.S. Public Examinations (Prevention of Malpractices and Unfair means) Act, 1997 (Act No.25/1997) for matters connected therewith or incidental thereto and as per the Rules of Procedure of TSPSC published in Telangana Gazette No: 60 dated 28/12/2015 in respect of this Notification.

B) Disqualification for appointment: A candidate shall be disqualified at any stage as per Rule-12(4) of Telangana State and Subordinate Service Rules.

- 11) **Community:** (a) The candidates belonging to SC & ST are required to produce Community Certificate issued by the competent authority (obtained from Government of Telangana State) in terms of G.O.Ms No. 58, SW (J) Dept., dt: 12/5/97 read with G.O. Ms. No. 5 Scheduled Castes Development (POA.A2) Dept., dt. 08/08/2014, G.O. Ms. No. 11 Scheduled Castes Development (POA.A2) Dept., dt. 17/09/2014 and G.O. Ms. No. 2 Scheduled Castes Development (POA.A2) Dept., dt. 22/01/2015. As per Rule-2(29) of T.S. State and Subordinate Service Rules. Explanation: No person who professes a religion different from Hinduism, the Sikh or Buddhism shall be deemed to be as member of a Scheduled Caste. (b)The candidates belonging to Backward Classes are required to produce Community Certificate (BC-A, BC-B, BC-C, BC-D & BC-E) issued by the Competent Authority in the State of Telangana obtained through Mee-Seva vide G.O. Ms. No. 16 BCW (OP) Dept., Dt. 11/03/2015. (c) Income Certificate for claiming EWS Reservation issued by the Tahsildar (Government of Telangana) vide G.O. Ms. No. 244 General Administration (Ser.D) Department, Dt. 24/08/2021 and orders and instructions issued by the Government from time to time.

12) **Reservation:** -

- (i) The rule of reservation is applicable in terms of General Rule 22 & 22 (A) of Telangana State and Subordinate Service Rules.
- (ii) Reservation to Disabled persons is subject to the Special Rules/Adhoc Rules governing the posts. The extent of Disability will be decided by the State Appellate Medical Authorities.
- (iii) If eligible disabled women candidates of VH(W) / HH(W) / OH(W) / MH(W) category are not available in the initial recruitment, the same shall be filled up by the eligible Male candidates with same category of disability respectively as per G.O.MS. No. 96 General Administration (Ser.D) Department, Dt. 22/07/2019. Hence, eligible male candidates of VH/ HH/ OH/ MH disabled category can also apply for the posts meant for Women categories.
- (iv) For Carry Forward PH vacancies, if eligible disabled candidates of that particular category are not available, the same shall be filled up by the method of interchanging as per G.O.MS. No. 96 General Administration (Ser.D) Department, Dt. 22/07/2019. Hence, candidates of all the disabled categories can apply.
- (v) Reservation to BC-E group as per G.O. Ms. No. 23 Backward Classes Welfare (C.2) Department, Dt. 07/07/2007, will be subject to the adjudication of the litigation before the Honorable Courts including final orders in Civil Appeal No: (a) 2628-2637 of 2010 in SLP. No. 7388-97 of 2010, dated. 25/03/2010 and orders from the Government.
- (vi) The reservation to Meritorious Sports Person is applicable as per the amendments made to State and Subordinate Service Rules as per G.O.Ms.No.107, General Administration (Ser.D) Dept., Dt. 27-07-2018 that is in Rule-2, for sub-Rule (20) and in Rule-22 (i) in sub-Rule (2), for Class-D. In implementing the reservation to Meritorious Sports Person

as per G.O. Ms. No.05 YAT&C(Sports) Department, Dt. 14/05/2018, or as may be revised by the Government from time to time shall be followed.

(vii) **Economically Weaker Sections:-** The EWS reservation is applicable as per G.O. Ms. No. 243 & 244 GA (SER.D) Dept., Dt. 24/08/2021.

(viii) As per G.O.Ms.No.130, General Administration (Ser.D) Department, Dt.09.11.2022, enhancing the reservations for Scheduled Tribes from 6% to 10% read with G.O.Ms.No.135, General Administration (Ser.D) Department, Dt.23.11.2022.

Note:-Candidates producing Certificates issued by the Competent Authorities in Telangana State alone are eligible to claim various reservations like SC/ST/BC/ EWS/PH etc.

PARA-VI:

(1) Local Reservation (95%) is applicable as per Para-8 of G.O.Ms.No.124 General Administration (SPF-MC) Department, dated :30.08.2018).

(2) Local Candidate as per Para-7 of G.O.Ms.No.124 General Administration (SPF-MC) Department, Dated :30.08.2018:-

“(1) A candidate for direct recruitment to any post shall be regarded as a local candidate in relation to a local area,-

(a) in cases where a minimum educational qualification has been prescribed for recruitment to the posts,-

(i) if he has studied in an educational institution or educational institutions in such local area for a period of not less than four consecutive academic years ending with the academic year in which he appeared or, as the case may be, first appeared for the relevant qualifying examination; or

(ii) where during the whole or any part of the four consecutive academic years ending with the academic year in which he appeared or as the case may be first appeared for the relevant qualifying examination he has not studied in any educational institution, if he has resided in that local area for a period of not less than four years immediately preceding the date of commencement of the qualifying examination in which he appeared, or as the case may be, first appeared.

(b) In cases where no minimum educational qualifications has been prescribed for recruitment to the post, if he has resided in that local area for a period of not less than four years immediately preceding the date on which the post is notified for recruitment. Explanations:- For the purpose of this paragraph,-

(i) ‘educational institution’ means a University or any educational institution recognized by the State Government, a University or other competent authority;

(ii) relevant qualifying examination in relation to a post means,-

(a) the examination, a pass in which is the minimum educational qualification prescribed for the post;

(b) the Seventh Class examination or an examination declared by the State Government to be equivalent to the Seventh Class examination; whichever is lower;

(iii) in reckoning the consecutive academic years during which a candidate has studied, any period of interruption of his study by reason of his failure to pass any examination shall be disregarded;

(iv) the question, whether any candidate for direct recruitment to any post has resided in any local area shall be determined with reference to the places where the candidate actually resided and not with reference to the residence of his parents or other guardian.

(2) A candidate for direct recruitment to any post who is not regarded as a local candidate under sub-paragraph (1) in relation to any local area shall,-

(a) in cases where a minimum educational qualification has been prescribed for recruitment to the post,-

(i) If he has studied in educational institutions in the State for a period of not less than seven consecutive academic years ending with the academic year in which he appeared or as the case may be, first appeared for the relevant qualifying examination be regarded as a local candidate in relation to,-

(A) Such local area where he has studied for the maximum period out of the said period of seven years; or

(B) Where the periods of his study in two or more local areas are equal, such local areas where he has studied last in such equal periods;

(ii) If during the whole or any part of the seven consecutive academic years ending with the academic year in which he appeared or as the case may be first appeared for the relevant qualifying examination, he has not studied in the educational institutions in any local area, but has resided in the State during the whole of the said period of seven years, be regarded as a local candidate in relation to,-

A) Such local area where he has resided for the maximum period out of the said period of seven years; or

(B) Where the periods of his residence in two or more local areas are equal, such local area where he has resided last in such equal periods;

(b) In cases where no minimum educational qualification has been prescribed for recruitment to the post, if he has resided in the State for a period of not less than seven years immediately preceding the date on which the post is notified for recruitment, be regarded as a local candidate in relation to,-

(i) such local area where he has resided for the maximum period out of the said period of seven years; or

(ii) where the periods of his residence in two or more local areas are equal such local area where he has resided last in such equal periods.

(c) In cases where Visually Handicapped and Hearing Handicapped persons studied in the special schools meant for them, the native place of the parents of such Visually Handicapped and Hearing Handicapped persons.”

3) The following are the Present Multi Zone / Zone in the Telangana State vide G.O.Ms.No. 124, G.A. (SPF-MC) Dept., Dated: 30/08/2018 and amended vide G.O.Ms. No. 128,G.A. (SPF-I) Dept., Dated: 30/06/2021 read with G.O.Rt.No.74, Revenue (DA-CMRF) Dept., dt:12/08/2021:

Multi Zone- I	Zone I: Kaleshwaram	Kumrambheem-Asifabad, Mancherial, Peddapalli, Jayashankar-Bhupalapalli, Mulugu Districts
	Zone II: Basara	Adilabad, Nirmal, Nizamabad, Jagityal Districts
	Zone III: Rajanna	Karimnagar, Rajanna-Sircilla, Siddipet, Medak, Kamareddy Districts
	Zone IV: Bhadradi	Bhadradi-Kothagudem, Khammam, Mahabubabad, Hanamkonda (Warangal Urban), Warangal (Warangal Rural) Districts
Multi Zone- II	Zone V: Yadadri	Suryapet, Nalgonda, Yadadri-Bhongir, Jangaon Districts
	Zone VI: Charminar	Medchal-Malkajgiri, Hyderabad, Ranga Reddy, Sanga Reddy, Vikarabad Districts
	Zone VII: Jogulamba	Mahaboobnagar, Narayanpet, Jogulamba-Gadwal, Wanaparthy, Nagarkurnool Districts

PARA-VII: SCHEME OF EXAMINATION:- The Scheme & Syllabus for the examination has been shown in ANNEXURE-III.

PARA-VIII: RESOLVING OBJECTIONS RELATED TO QUESTIONS, KEY AND OTHER MATTERS OF OBJECTIVE TEST:

- The Commission publishes the **key** on its website after conduct of the objective test. Any objections with regard to the questions / Key shall be filed within the stipulated period through the link provided in the TSPSC website, after publication of the key. The objections received physically in the form of representations or through emails are not entertained in any circumstances. Any objection(s) received after the last date for receipt of objections on key would not be entertained.
- However, for each objection raised by the candidate he/she required to pay Rs.500/- (Rupees Five Hundred only) online through payment gateway duly following online instructions. The list of Banks providing service for the purpose of online remittance of payment is given in Annexure-II.
- The objections received in the prescribed proforma within due date will be referred to Expert Committee for opinion to take appropriate decision thereon by the Commission. Final key will be hosted as per decision of the Commission.
- Objections on final key shall not be entertained.
- The marks for the deleted questions, if any, will be awarded to each candidate proportionately based on his performance on the remaining questions and the marks would be considered upto 3rd decimal figure, to determine the merit of the candidates.
- After completion of Examination, the Images of OMR Sheets will be hosted on the Commission's Website (<https://www.tspsc.gov.in>) for reference. Candidates by entering the required Login credentials can download the Images of OMR Sheets. Candidates are

advised to retain their Images of OMR Sheets for future purpose until completion of the recruitment process. Duplicate Images of OMR Sheets will not be issued under any circumstances.

PARA-IX: PROCEDURE OF SELECTION:

- 1) **Pattern of Examination** will be as per G.O. Ms. No. 55 General Administration (Ser.A) Department, Dt. 25/04/2022.
- 2) The Selection of Candidates for appointment to the posts will be made by Written Examination (Objective Type) by CBRT/ OMR Based and the Selection for the posts will be based on marks secured in the written examination.
- 3) Those candidates who qualify in the Written Examination in order of merit will be called for verification of Certificates, Community and Category wise for the vacancies available as required. The qualifying marks for selection of the candidates belonging to: OC, Sports men & EWS – not less than 40%, BCs - not less than 35% SCs, STs and PH – not less than 30%.

N.B.: Mere securing minimum qualifying marks does not vest any right in a candidate for being considered for selection

- 4) In the event of SC and ST candidates not coming up for selection with the minimum marks prescribed above for selection, their selection shall be considered on the basis of marks with reference to their performance in the written examination irrespective of the marks secured.
- 5) The appearance in all the paper/papers at the Written Examination is compulsory. Absence in any of the paper/papers will automatically render his/her candidature for disqualification.
- 6) Candidates have to produce Original documents and other particulars on the day of verification itself. If candidate fails to produce any of the required **original** certificates and if the particulars furnished by him / her in the Application do not tally with the Original documents produced him / her, then his / her candidature will be rejected/disqualified without any further correspondence. Those candidates who are called for verification of certificates should furnish their order of preference of Post, Multi-Zones, Zones by exercising Web-Options and submit at the time of verification of certificates, which are final, failing which his/her candidature shall not be considered for further selection process. The selections will be confined only to the web options exercised by the candidates. Under no circumstances he/she will be considered for the posts /places where preference was not indicated.
- 7) The candidates will be selected and allotted to Multi-Zone, Zone as per their merit and order of Preference (**web-options**) against the vacancies available.
- 8) The appointment of selected candidates will be subject to their being found medically fit in the appropriate Medical Examination, and if he/she is of sound health, active habits free from any bodily defect or infirmity.

PARA-X: DEBARMENT:

- a) Candidates should make sure of their eligibility to the posts applied for and that the declaration made by them in the format of application regarding their eligibility is correct in all respects. Any candidate furnishing incorrect information or making false declaration regarding his/her eligibility at any stage or suppressing any information is liable to be debarred from appearing for any of the examinations conducted by the Commission, and for summarily rejection of candidature for this recruitment.
- b) The Commission is vested with the constitutional duty of conducting recruitment and selection as per rules duly maintaining utmost secrecy and confidentiality in this process and any attempt by anyone causing or likely to cause breach of this constitutional duty in such manner or by such action as to violate or likely to violate the fair practices followed and ensured by the Commission will be sufficient cause for rendering such questionable means as ground for debarment and penal consequences as per law and rules and as may be decided by the Commission.
- c) Any candidate is or has been found impersonating or resorting to any other irregular or improper means in connection with his / her candidature for selection or obtaining support of candidature by any means, such a candidate may in addition to rendering himself/ herself liable to criminal prosecution, will be debarred permanently from any exam or selection held by any Public Service Commission in the country.
- d) If he/she himself/herself or through relations or friends or any others has canvassed or endeavored to enlist for his candidature extraneous support, whether from official or non-

official sources for appointment to any State Service or Subordinate Service shall be disqualified.

- e) The applicants are not allowed to bring any Electronic devices or Gadgets such as Smart / Mobile Phones, Calculators, Tablets, iPad, Bluetooth, Pagers, Programmable Devices or Storage Media like Pen-drive, Smart Watches, Camera etc., or any other equipment or related accessories either in working or switched off mode capable of being used as a communication device during the examination. Loaning and interchanging of articles among the applicants is not permitted in the examination hall and any form of malpractice will not be permitted in the exam hall and applicants are advised not to bring any of the banned items including mobile phones to the venue of the examination, as arrangement for safe – keeping cannot be assured.
- f) Any infringement / unfair means of the above instructions as per Act No. 25/1997 shall entail disciplinary action published in State Gazette No. 35, Part-IV-B Extraordinary Dt. 21/08/1997 (as adapted by the Telangana Adaptation of Laws Order, 2016) if noticed, at any stage of the Recruitment shall be punishable with imprisonment for a term which shall not be less than three years but which may extend upto seven years and with fine which shall not be less than Rupees Five Thousand, but which may extend upto Rupees One Lakh.

PARA-XI:- (A) Please read the following Annexures appended to the Notification before filling the application form.

Annexure-I	Breakup of Vacancies
Annexure-II	Payment gateway
Annexure-III	Scheme and Syllabus
Annexure-IV	Instruction to the Candidates
Annexure-V	List of Communities
Annexure-VI	List of the recognized sports

(B) MEMORANDUM OF MARKS:- After Publication of results, the marks list (total marks) of the successful candidates will be displayed on the Commission's Website. However, Memorandum of Marks can be obtained after one month from the date of declaration of selection list in TSPSC website on payment of Rs.200/- (Rupees Two Hundred Only) through IPO/DD in favour of the Secretary, T.S. Public Service Commission, Hyderabad, for a period of Three Months only. Rejected, Invalid, disqualified, ineligible candidates will not be issued any Memorandum of Marks and fees paid by such candidates, if any, will be forfeited to Government account, without any correspondence in this regard. Requests for memorandum of marks, will not be entertained until the recruitment process is finalized.

PARA XII: SPECIAL INSTRUCTIONS TO CANDIDATES:

Candidates are directed to follow the Commission's Website (<https://www.tspsc.gov.in>) regularly to know the latest developments of this Recruitment and any changes/ Modifications/ Addendum/ Corrigendum, dates of Examination, calling of candidates for verification of Certificates/ Results etc. Candidates may note that individual communication is not possible. Hence, they must regularly visit the TSPSC website for updates such as Edit option, Schedule of Examination and Hall Tickets, Merit List, List of candidates shortlisted for Certificate Verification, schedule of certificate verification / Medical board, etc.

Candidates are advised to go through the Instructions to Candidates enclosed to this Notification at Annexure-IV.

PARA-XIII: COMMISSION'S DECISION TO BE FINAL:

The decision of the Commission in all aspects and all respects pertaining to the application and its acceptance or rejection as the case may be, conduct of examination and at all consequent stages culminating in the selection or otherwise of any candidate shall be final in all respects and binding on all concerned, under the powers vested with it under Article 315 and 320 of the Constitution of India. Commission also reserves its right to alter and modify time and conditions laid down in the notification for conducting the various stages up to selection or withdraw the Notification at any time, duly intimating details thereof to all concerned, as warranted by any unforeseen circumstances arising during the course of this process, or as deemed necessary by the Commission at any stage.

HYDERABAD
DATE: 29/11/2022

Sd/-
SECRETARY

ANNEXURE – I

BREAK-UP OF VACANCY POSITION FOR VARIOUS NON-GAZETTED CATEGORIES OF POSTS IN GROUND WATER DEPARTMENT

(GENERAL RECRUITMENT)

FOR PC. NO. 01:- TECHNICAL ASSISTANT (HYDROGEOLOGY) IN GROUND WATER DEPARTMENT

MULTI ZONE	OC		EWS		BC-A		BC-B		BC-C		BC-D		BC-E		SC		ST		PH		SPORTS		TOTAL		GRAND TOTAL
	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	
MZ-I	01	01	-	-	-	-	-	-	-	-	-	-	-	-	-	01	-	-	-	-	-	-	01	02	03
MZ-II	01	01	-	-	-	01	-	-	-	-	-	-	-	-	-	01	-	-	-	-	-	-	01	03	04
TOTAL	02	02	-	-	-	01	-	-	-	-	-	-	-	-	-	02	-	-	-	-	-	-	02	05	07

FOR PC. NO. 02:- TECHNICAL ASSISTANT (HYDROLOGY) IN GROUND WATER DEPARTMENT

MULIT ZONE	OC		EWS		BC-A		BC-B		BC-C		BC-D		BC-E		SC		ST		PH		SPORTS		TOTAL		GRAND TOTAL
	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	
MZ-I	01	01	-	-	-	01	-	-	-	-	-	-	-	-	-	01	-	-	-	-	-	-	01	03	04
MZ-II	01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	01	-	01
TOTAL	02	01	-	-	-	01	-	-	-	-	-	-	-	-	-	01	-	-	-	-	-	-	02	03	05

NOTE: In Multi zone-II, the sanctioned strength of the cadre is only one (1). Hence as per Rule-22(J) the post is notified as OC(G).

FOR PC. NO. 03:- TECHNICAL ASSISTANT (GEOPHYSICS) IN GROUND WATER DEPARTMENT

MULTI ZONE	OC		EWS		BC-A		BC-B		BC-C		BC-D		BC-E		SC		ST		PH		SPORTS		TOTAL		GRAND TOTAL
	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	
MZ-I	01	01	-	-	-	01	-	-	-	-	-	-	-	-	-	01	-	-	-	-	-	-	01	03	04
MZ-II	01	01	-	-	-	01	-	-	-	-	-	-	-	-	-	01	-	-	-	-	-	-	01	03	04
TOTAL	02	02	-	-	-	02	-	-	-	-	-	-	-	-	-	02	-	-	-	-	-	-	02	06	08

FOR PC. NO. 04:- LAB ASSISTANT IN GROUND WATER DEPARTMENT

ZONE	OC		EWS		BC-A		BC-B		BC-C		BC-D		BC-E		SC		ST		PH		SPORTS		TOTAL		GRAND TOTAL
	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	
ZONE-VI	01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	01	-	01
TOTAL	01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	01	-	01

NOTE: The sanctioned cadre strength in zone is only one (1). Hence the post is notified as OC(G) under State & Subordinate Service Rule – 22(J)

FOR PC. NO. 05:- JUNIOR TECHNICAL ASSISTANT IN GROUND WATER DEPARTMENT

ZONE	OC		EWS		BC-A		BC-B		BC-C		BC-D		BC-E		SC		ST		PH		SPORTS		TOTAL		GRAND TOTAL
	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	
ZONE-III	01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	01	-	01
ZONE-IV	01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	01	-	01
ZONE-VI	01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	01	-	01
ZONE-VII	01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	01	-	01
TOTAL	04	-	-	-	-		-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	04	-	04

NOTE: Sanctioned cadre strength in each zone is only one (1). Hence the post is notified as OC(G) as per Rule 22(J) State and Subordinate Service Rules.

ANNEXURE-II

LIST OF BANKS FOR MAKING ONLINE PAYMENT

Sl. No.	Name of the Bank
1	Andhra Pragathi Grameena Bank
2	A U Small Finance Bank
3	Bandhan Bank
4	Bank of Bahrain and Kuwait
5	Bank of Baroda
6	Bank of India
7	Bank of Maharashtra
8	Bassien Catholic Coop Bank
9	Canara Bank
10	Capital Small Finance Bank
11	Catholic Syrian Bank
12	Central Bank of India
13	City Union Bank
14	Cosmos Bank
15	DCB Bank
16	Deutsche Bank
17	Dhanlakshmi Bank
18	Digibank by DBS
19	Equitas Small Finance Bank
20	ESAF Small Finance Bank
21	Federal Bank
22	Fincare Bank
23	Gujarat State Co-operative Bank Limited
24	HDFC Bank
25	HSBC Retail Net Banking
26	ICICI Bank
27	IDBI Bank
28	IDFC FIRST Bank
29	Indian Bank
30	Indian Overseas Bank
31	Indus-Ind Bank
32	Jammu & Kashmir Bank
33	Jana Small Finance Bank
34	Janata Sahakari Bank Ltd Pune

Sl. No.	Name of the Bank
35	Kalyan Janata Sahakari Bank
36	Karnataka Bank Ltd
37	Karnataka Gramin Bank
38	Karnataka Vikas Grameena Bank
39	Karur Vysya Bank
40	Kotak Bank
41	Laxmi Vilas Bank
42	Maharashtra Gramin Bank
43	Mehsana urban Co-op Bank
44	NKGSB Co-op Bank
45	North East Small Finance Bank Ltd
46	Nutan Nagarik Sahakari Bank Limited
47	Punjab & Sind Bank
48	Punjab National Bank
49	RBL Bank Limited
50	Saraswat Bank
51	SBM Bank India
52	Shivalik Mercantile Cooperative Bank Ltd
53	South Indian Bank
54	State Bank of India
55	SVC Co-operative Bank Ltd
56	Tamil Nadu State Co-operative Bank
57	Tamilnad Mercantile Bank Ltd.
58	The Kalupur Commercial Co-Operative Bank
59	The Surat People's Co-operative Bank Limited
60	The Sutex Co-op Bank Ltd
61	T J S B Bank
62	UCO Bank
63	Union Bank of India
64	Utkarsh Small Finance Bank
65	Varachha Co-operative Bank Limited
66	YES Bank Ltd
67	Zoroastrian Co-Operative Bank Ltd

ANNEXURE-III**SCHEME AND SYLLABUS FOR VARIOUS NON-GAZETTED CATEGORIES OF POSTS IN
GROUND WATER DEPARTMENT****FOR PC. NO. 01 TO 03:- SCHEME AND SYLLABUS FOR THE POST OF TECHNICAL
ASSISTANT (HYDROGEOLOGY), TECHNICAL ASSISTANT (HYDROLOGY) AND
TECHNICAL ASSISTANT (GEOPHYSICS) IN GROUND WATER DEPARTMENT****SCHEME OF EXAMINATION**

Written Examination (Objective Type)	No.of Questions	Duration (Minutes)	Maximum Marks
Paper-I: General Studies And General Abilities	150	150	150
Paper-II: Water Resources	150	150	150
Total			300

Name of the Papers	Language of Examination
Paper-I: General Studies and General Abilities	Bilingual i.e., English and Telugu
Paper-II: Water Resources	English Only

SYLLABUS**Paper-I: GENERAL STUDIES AND GENERAL ABILITIES**

1. Current Affairs – Regional, National and International
2. International Relations and Events.
3. General Science; India's achievements in Science and Technology
4. Environmental issues and Disaster Management
5. Economy of India and Telangana
6. Geography of India with a focus on Telangana
7. Indian Constitution and Polity with a focus on local self Government
8. Society, Culture, Heritage, Arts and Literature of Telangana
9. Policies of Telangana State
10. History of Modern India with a focus on Indian National Movement
11. History of Telangana with special emphasis on Movement for Telangana Statehood
12. Logical Reasoning, Analytical Ability and Data Interpretation
13. Basic English

PAPER-II WATER RESOURCES**Unit-1 General Geology and Mineralogy**

Origin, age and interior of earth, earthquakes, volcanoes and mountains, weathering, geological work of rivers, wind, groundwater, glaciers, seas and oceans.

Definition of mineral, Classification of mineral into rock forming and ore forming minerals. Physical and optical properties of minerals, silicate structures, olivine family, feldspars, pyroxenes, amphiboles, micas, chlorides, garnets and quartz family.

Unit-2 Petrology, Structural Geology and Indian Geology

Definition of rock, rock cycle, igneous rocks-forms, textures, structures, origin, classification and types. Sedimentary rocks- mode of formation, structures and textures, classification. Metamorphic rocks- Types and agents of metamorphism, structure and textures of metamorphic rocks – grades and zones of metamorphism.

Structural geology- strike and dip, folds, faults, joints and unconformities, recognition of folds in the field and recognition of faults in the field

Indian geology-Standard Geological time scale, Principles of correlation, Physiographical subdivisions of India. Achaeans, cuddapahs, vindyans, gondwanas, Deccan traps, siwalliks and recent formations.

Unit-3 Groundwater Geophysics

Gravity methods: principles, instruments-survey techniques, Magnetic methods: principles, instruments, and survey techniques, Seismic method; principles, instruments, survey techniques.

Electrical methods: Wenner, Schlumberger, Lee, Dipole-Dipole configurations. Resistivity profiling and instruments. Resistivity sounding, Interpretation techniques. Geoelectrical parameters corresponding to hydrological zones, Application of resistivity in groundwater studies.

Electromagnetic methods: principles, instruments, survey techniques. Induced polarisation methods: principles, relationship between apparent chargeability and apparent resistivity.

EM sounding - profiling-dipole and VLF techniques. Bore hole geophysics: Well logging, basic concepts of logging.

Unit-4 Hydrochemistry

The water molecule, isotopic composition of waters-physical and chemical properties of water, geochemical processes, geochemical classification of waters, Mechanisms controlling the groundwater chemistry.

Chemical dissolved constituents. Sampling of water from rivers, lakes, ponds, open wells, bore wells. Standard laboratory techniques for the analysis. Bacteriological studies. Interpretation of physical and chemical data of water, plotting on maps, Statistical techniques in presenting hydrochemical data.

Unit-5 Environmental Hydrology

Ground water pollution- its sources and classification, Water sanitation- water borne diseases, Groundwater quality problems that originate above and below water table. Utility of water, for drinking, agriculture, industry and recreation. Standards of water- Indian, World Health Organisation,

Control measures of groundwater contamination, prediction of contaminants migration and travel times, problem of fluoride and arsenic. Defluorination-Nalgonda method, Activated carbon method of treatment.

Global threat-Elnino effect -Green House Effect-Ozone layer depletion and its impact on hydrological environment-Global Warming- acid rain- its cause and impact on water environment.

Unit-6 Surface Hydrology

Hydrologic Cycle, Precipitation, Infiltration, run-off, Evaporation & Evapotranspiration, Water Balance Studies, Forecast of climatic Parameters.

The significance of water, Water resources of the earth. Global water budget. Formation of surface water resources; streams, rivers, lakes, swamps, caves, seas and oceans.

Runoff, groundwater runoff, direct runoff, factors affecting runoff. Discharge and discharge measurement, hydrographs: components of hydrograph, base flow separation methods. Unit hydrograph to design flood computation and of inflow to major rivers.

Unit-7 Groundwater Hydrology

Groundwater in Hydrologic cycle, Occurrence of Groundwater: Aquifer, Aquiclude, Aquifuge and Aquitard, Porosity, Effective porosity, Vertical distribution of Groundwater; Zone of aeration, zone of saturation, Division of subsurface water. Specific retention, specific yield, Storage coefficient. Water movement in saturated soils, Darcy's law. Permeability, Intrinsic permeability. Hydraulic conductivity, Transmissivity, Determination of Hydraulic conductivity.

Groundwater fluctuations: Secular, Seasonal and Short-term fluctuations, Artificial Recharge of Groundwater, salt water intrusion of coastal aquifers, Development of Groundwater in intrusion areas.

Water wells: Dug wells, Bored wells, Driven wells, Jetted wells, Methods for drilling deep wells, Well design, Well completion, Well development, pumping equipment, Protection of wells, Well rehabilitation and Horizontal well.

Unit-8 Hydrologic Modeling

Concepts of modelling, Process of model development, types of Hydrological models: Physical models and Mathematical models. Introduction to Continuous and Discrete models, Dynamic and Static, Lumped parameter and Distributed parameter models, Block-Box model, Conceptual model, Stochastic and Deterministic models

Unit-9 Watershed Management

Watershed: Concept, Characteristics, Size, Shape, Physiography, Climate, Drainage, Land-use, Hydrological parameters. Basic data collection, Integrated Study of Watershed Management. Conditions to develop watershed, types of Watersheds, Integrated studies to develop watersheds. Rain water structures, design and Economic aspects. .

Floods: flood elevation, Flood discharge, flood volume and duration of floods, Flood estimation, causes of flood, factors affecting flood flow, flood flow determination flood control methods, limitations of flood control measures, Flood routing. Watershed and Agricultural Practices, National projects, Appropriate Technology and action plans, Post-operative problems of watersheds.

Unit-10 Remote Sensing and Geographical Information System

Electromagnetic Energy: Laws, Distribution and Interaction, concept of incoming short wave and outgoing long wave radiation: passive and active remote sensing, electromagnetic radiation, spectral reflectance curves. Imaging and non-imaging sensors, resolution. Satellite remote sensing, geo-synchronous and sun-synchronous orbits, IRS-satellites and high resolution satellites. Supervised and unsupervised image classifications. Remote sensing applications for meteorological, hydrological, geological studies and urban planning and management.

Basic concepts of geographical information systems, map projections, geographic coordinate system, transformations, map analysis. Data Acquisition and Data Management, Data Processing, Data Modeling, GIS Analysis and Functions. GIS applications to Environmental and natural resource management, software scenario, functions, standard GIS packages.

**FOR PC. NO. 04 SCHEME AND SYLLABUS FOR THE POST OF LAB ASSISTANT IN
GROUND WATER DEPARTMENT**

Scheme of Examination

Written Examination (Objective Type)	No.of Questions	Duration (Minutes)	Maximum Marks
Paper-I: General Studies and General Abilities	150	150	150
Paper-II: Chemistry (Degree Level)	150	150	150
Total			300

Name of the Papers	Language of Examination
Paper-I: General Studies and General Abilities	Bilingual i.e., English and Telugu
Paper-II: Chemistry (Degree Level)	Bilingual i.e., English and Telugu

Syllabus

Paper-I: General Studies and General Abilities

1. Current Affairs – Regional, National and International
2. International Relations and Events.
3. General Science; India's achievements in Science and Technology
4. Environmental issues and Disaster Management
5. Economy of India and Telangana
6. Geography of India with a focus on Telangana
7. Indian Constitution and Polity with a focus on local self Government
8. Society, Culture, Heritage, Arts and Literature of Telangana
9. Policies of Telangana State
10. History of Modern India with a focus on Indian National Movement
11. History of Telangana with special emphasis on Movement for Telangana Statehood
12. Logical Reasoning, Analytical Ability and Data Interpretation
13. Basic English

Paper-II: Chemistry (Degree Level)

1.1 Atomic structure: Schrodinger wave equation, significance of ψ and ψ^2 quantum numbers and their significance, radial and angular probability, shapes of orbitals, relative energies of atomic orbitals as a function of atomic number. Electronic configurations of elements; Aufbau principle, Hund's multiplicity rule, Pauli exclusion principle.

1.2 Chemical periodicity: Periodic classification of elements, salient characteristics of s,p,d and f block elements. Periodic trends of atomic radii, ionic radii, ionization potential, electron affinity and electro-negativity in the periodic table.

1.3 Chemical bonding: Types of bonding, overlap of atomic orbitals, sigma and pi-bonds, hydrogen and metallic bonds. Shapes of molecules bond order, bond length, V.S.E.P.R. theory and bond angles. The concept of hybridization and shapes of molecules and ions. Molecular orbital theory, Molecular orbital energy diagrams of homo diatomic molecules

1.4 Oxidation states and oxidation number: Oxidation and reduction, oxidation numbers, common redox reactions, ionic equations. Balancing of equations for oxidation and reduction reactions.

1.5 Acids and bases: Bronsted and Lewis theories of acids and bases. Hard and soft acids and bases. HSAB theory.

1.6 Chemistry of elements:

- i) **Hydrogen:** Its unique position in the periodic table, isotopes, ortho and para hydrogen, industrial production, heavy water.
- ii) **Chemistry of 's' and 'p' block elements:** Electronic configuration, general characteristics properties, inert pair effect, allotropy and catenation. Special emphasis on solutions of alkali and alkaline earth metals in liquid ammonia. Preparation, properties and structures of boric acid, borates, boron nitrides, borohydride (diborane), carboranes, oxides and oxyacids of nitrogen, phosphorous, sulphur and chlorine; interhalogen compounds, polyhalide ions, pseudohalogens, fluorocarbons and basic properties of halogens. Chemical reactivity of noble gases, preparation, structure and bonding of noble gas compounds.
- iii) **Chemistry of 'd' block elements:** Transition metals including lanthanides, general characteristic properties, oxidation states, magnetic behaviour, colour. First row

transition metals and general properties of their compounds (oxides, halides and sulphides); lanthanide contraction.

1.7 Extraction of metals: Principles of extraction of metals iron, nickel, copper, silver and gold.

1.8 Nuclear Chemistry: Nuclear reactions; mass defect and binding energy, nuclear fission and fusion. Nuclear reactors; radioisotopes and their applications.

1.9 Coordination compounds: Nomenclature, isomerism and theories of coordination compounds and their role in nature and medicine.

1.10 Environmental Pollution and Control Technologies: Environmental Pollution & control: Classification of pollution, causes, effects. **Air Pollution:** Primary and secondary pollutants, Ambient air quality standards. **Water pollution:** Sources and types of pollution, drinking water quality standards. **Soil Pollution:** Sources and types, Impacts of modern agriculture, degradation of soil. **Noise Pollution:** Sources and Health hazards, standards, **Pollution from Power projects:** Thermal and Nuclear, **Solid waste:** Municipal Solid Waste management. **Pollution control technologies:** Wastewater Treatment methods: Primary, secondary and Tertiary, Air: Overview of air pollution control technologies, Concepts of bioremediation. Field visit. **Global Environmental Problems And Global Efforts:** Climate change and impacts on human environment. Ozone depletion and Ozone depleting substances (ODS). Deforestation and desertification.

1.11 Chemistry of Water

- Sources of water & Quality:** Sources of contamination of water, Chemical, Physical and Biological characteristics of water, Drinking water standards, standards and effects of contaminated water, water born diseases & problems.
- General purification Methods of water:** Sedimentation, Filtration, Coagulation, Distillation & reverse osmosis and **Disinfection**, Types of Disinfection, ideal Disinfectant, Mechanism of Disinfection, Efficiency of Disinfection, **Chlorination**, Types of Chlorination. **Coagulation:** Types of Coagulation, Mechanism, Efficiency of Coagulation.
- Water Softening Method:** Heating, Lime-Soda Process, Caustic- Soda Process, Softening with Calgon, Zeolite process, Ion-Exchange process. Municipal Water Conditioning and Industrial effluent Treatment.
- Qualitative & Quantitative analysis:**
Qualitative analysis: Classification of anions and cations. Reactions involved in the Separation and identification of anions and cations. Qualitative analysis of Organic compounds.
Quantitative analysis: Volumetric analysis and Gravimetric Analysis
 - Volumetric analysis:** Theory of Volumetric analysis Types of reactions, Titration curves w.r.t neutralization, redox, precipitation & Complexometric titrations. Theory of Indicators.
 - Gravimetric Analysis:** Theory of gravimetric analysis, Formation of precipitate, conditions of precipitation, Impurities in precipitate. Washing, drying & ignition of precipitates. Principles and applications of Chromatographic techniques, UV,IR and NMR.

2.1 Bonding and shapes of organic molecules: Electronegativity, electron displacements-inductive, mesomeric and hyperconjugative effects; bond polarity and bond polarizability, dipole moments of organic molecules; hydrogen bond; effects of solvent and structure on dissociation constants of acids and bases; bond formation, fission of covalent bonds; homolysis and heterolysis; reaction intermediates-carbocations, carbanions, free radicals and carbenes; generation geometry and stability; nucleophiles and electrophiles.

2.2 Chemistry of aliphatic compounds: Nomenclature; alkanes-synthesis, reactions (free radical halogenation) – reactivity and selectivity, sulphonation-detergents; cycloalkanes-Baeyers' strain theory; alkanes and alkynes-synthesis, electrophilic addition; reactions, Markownikov's rule, peroxide effects, 1-3-dipolar addition; nucleophilic addition to electron-deficient alkenes; polymerization; relative acidity; synthesis and reactions of alkyl halides, alkanols, alkanals, alkanones, alkanolic acids, esters, amides, nitriles, amines, acid anhydrides, α,β - unsaturated ketones, ethers and nitro compounds.

2.3 Stereochemistry of carbon compounds: Elements of symmetry, chiral and achiral compounds. Fischer projection formulae; optical isomerism of lactic and tartaric acids, enantiomerism and diastereo-isomerism; configuration (relative and absolute); conformations of alkanes upto four carbons, cyclohexane and dimethylcyclo-hexanes their potential energy **D,L** and **R,S** notations of compounds containing chiral centers; projection formulae-Fischer, Newman and sawhorse of compounds containing two adjacent chiral centers; meso and di-isomers, erythro and threo isomers; racemization and resolution; examples of homotopic, enantiotopic and diastereotopic atoms and groups in organic compounds, geometrical isomers; **E** and **Z** notations. Stereo-chemistry of SN_1 , SN_2 , E_1 and E_2 reactions.

2.4 Organometallic compounds: Preparation and synthetic uses of Grignard reagents, alkyl lithium compounds.

2.5 Chemistry of aromatic compounds: Aromaticity; Huckel's rule; electrophilic aromatic substitution-nitration, sulphonation, halogenation (nuclear and side chain), Friedel-Crafts alkylation and acylation, substituents effect; chemistry and reactivity of aromatic halides, phenols, nitro, diazo, dia-zonium and sulphonic acid derivatives, benzyne reactions.

2.6 Chemistry of biomolecules: (i) **Carbohydrates:** Classification, reactions, structure of glucose, D,L-configuration, osazone formation; fructose and sucrose; step-up step-down of aldoses and ketoses; and their interconversion, (ii) **Amino acids:** Essential amino acids; zwitterions, isoelectric point, polypeptides; proteins; methods of synthesis of α -amino acids. (iii) Elementary idea of oils, fats, soaps and detergents.

2.7 Beer's Lambert Law and its applications in quantitative analysis: Basic principles and applications of UV, visible, IR and NMR spectroscopy of simple organic molecules.

3.1 Gaseous state: Deviation of real gases from the equation of state for an ideal gas, Vander Waals and Virial equation of state, critical phenomena, principle of corresponding states, equation for reduced state. Liquification of gases, distribution of molecular speed, collisions between molecules in a gas; mean free path, specific heat of gases.

3.2 Thermodynamics:

- (i) **First Law and its applications:** Thermodynamic systems, states and processes work, heat and internal energy, zeroth law of thermodynamics, various types of work done on a system in reversible and irreversible processes. Calorimetry and thermochemistry, enthalpy and enthalpy changes in various physical and chemical processes, Joule-Thomson effect, inversion temperature. Heat capacities and temperature dependence of enthalpy and energy changes.
- (ii) **Second Law and its applications:** Spontaneity of a process, entropy and entropy changes in various processes, free energy functions, criteria for equilibrium, relation between equilibrium constant and thermodynamic quantities.

3.3 Phase rule and its applications: Equilibrium between liquid, solid and vapours of a pure substance. Number of components, phases and degrees of freedom; phase rule and its applications; simple systems with one (water) and two components (lead-silver). Distribution law, its modifications, limitations and applications.

3.4 Solutions: Solubility and its temperature dependence, partially miscible liquids, upper and lower critical solution temperatures, vapour pressures of liquids over their mixtures, Raoult's and Henry's law, fractional and steam distillations.

3.5 Colligative Properties: Dilute solutions and colligative properties, determination of molecular weights, using colligative properties.

3.6 Electro-chemistry: Ions in solutions, ionic equilibria, dissociation constants of acids and bases, hydrolysis, pH and buffers, theory of indicators and acid-base titrations. Conductivity of ionic solutions, its variation with concentration, Ostwald's dilution law, Kohlrausch law and its application. Transport number and its determination. Faraday's laws of electrolysis, galvanic cells and measurements of their e.m.f., cell reactions, standard cell, standard reduction potential Nernst equation, relation between thermodynamic quantities and cell e.m.f., fuel cells, potentiometric titrations.

3.7 Chemical kinetics: Rate of chemical reaction and its dependence on concentrations of the reactants, rate constant and order of reaction and their experimental determination; differential and integral rate equations for first and second order reaction, half-life periods; temperature dependence of rate constant and Arrhenius parameters; elementary ideas regarding collision and transition state theory.

3.8 Photochemistry: Absorption of light, laws of photochemistry, quantum yield, the excited state and its decay by radiative, non-radiative and chemical pathways; simple photochemical reactions.

3.9 Catalysis: Homogeneous and heterogeneous catalysis and their characteristics, mechanism of heterogeneous catalysis; enzyme catalysed reactions (Michaelis-Menten mechanism)

3.10 Colloids: The colloidal state, preparation and purification of colloids and their characteristics properties; lyophilic and lyophobic colloids and coagulation; protection of colloids; gels, emulsions, surfactants and micelles.

FOR PC. NO. 05:- SCHEME AND SYLLABUS FOR THE POST OF JUNIOR TECHNICAL ASSISTANT IN GROUND WATER DEPARTMENT

SCHEME OF EXAMINATION

Written Examination (Objective Type)	No.of Questions	Duration (Minutes)	Maximum Marks
Paper-I: General Studies And General Abilities	150	150	150
Paper-II: CONCERNED SUBJECT (DEGREE LEVEL)	150	150	150
Total			300

Name of the Papers	Language of Examination
Paper-I: General Studies and General Abilities	Bilingual i.e., English and Telugu
Paper-II: CONCERNED SUBJECT (DEGREE LEVEL)	English Only

SYLLABUS

Paper-I: GENERAL STUDIES AND GENERAL ABILITIES

1. Current Affairs – Regional, National and International
2. International Relations and Events.
3. General Science; India's achievements in Science and Technology
4. Environmental issues and Disaster Management
5. Economy of India and Telangana
6. Geography of India with a focus on Telangana
7. Indian Constitution and Polity with a focus on local self Government
8. Society, Culture, Heritage, Arts and Literature of Telangana
9. Policies of Telangana State
10. History of Modern India with a focus on Indian National Movement
11. History of Telangana with special emphasis on Movement for Telangana Statehood
12. Logical Reasoning, Analytical Ability and Data Interpretation
13. Basic English

PAPER.II CONCERNED SUBJECT (DEGREE LEVEL)

The Planet Earth: Origin of the Solar System and the Earth; composition of the Earth; Volcanism and volcanic landforms; Interior of the Earth; Earthquakes; Isostasy; Basic elements of Plate Tectonics

Geomorphology: Weathering and erosion; Soil formation; Transportation and deposition by wind, ice, river, sea and resulting landforms. Seas - Offshore profile - continental shelf- Continental slope.

Structural Geology: Concept of dip, strike, rake and plunge. Classification and origin of folds, faults, joints, unconformities, recognition of faults in the field effects of faults on the outcrops, recognition of unconformities in the field; Definition of overlap, offlap, outlier, inlier, cleavage, schistosity; foliation and lineation.

Paleontology: Major steps in the evolution of life forms; Fossils, their mode of preservation and utility in age determination and paleoenvironmental interpretations; Morphology, major evolutionary trends and ages of important groups of animals – Brachiopoda, Mollusca, Trilobita, Graptolitoidea, Anthozoa, Echinodermata; Gondwana plant fossils;

Stratigraphy: Definition of stratigraphy, principles of stratigraphy, standard geological time scale. Physiographic divisions of India with their stratigraphic and structural characteristics. Dharwar system, cuddapah system; Vindhyan system; Kurnool system and Gondwana System. Deccan Traps and their Age, Geology of Andhra Pradesh.

Mineralogy: Definition of a mineral - Classification of minerals into rock forming and ore forming minerals. Physical properties of minerals Modes of Mineral formation: Chemical properties of minerals - isomorphism, solid solution, polymorphism, allotropy, pseudomorphism, radio-activity; silicate structure. Mineralogy of common rock-forming minerals, **Crystallography:**

Definition of crystal - amorphous and crystalline, States, Morphology of crystals - Parameters, indices; crystallographic notation - parameter. System of weiss, index following classes of symmetry. I. Cubic system - Normal (Galena) II. Tetragonal system - Zircon type III. Hexagonal system - Beryl type IV. Trigonal system - Calcite type. V. Orthorhombic system - Barytes type. VI. Monoclinic System - Gypsum type. VII. Triclinic system - Axinite type.

Petrology: Definition and classification of rocks; **Igneous rocks** – forms of igneous bodies; Processes of evolution and diversification of magma; Classification, common structures and textures of igneous rocks, association, and genesis of common igneous rocks. **Sedimentary rocks** –Definitions of diagenetic lithification and cementation, stratification, Sedimentary structures, Classification of sedimentary rocks: clastic - rudaceous, arenaceous, argillaceous, non-clastic - calcareous, carbonaceous, ferruginous, phosphatic, evaporites. Descriptive study of the following sedimentary rocks-Conglomerate, Breccia, sandstone, Grit, Arkose, Graywacke, Shale, Limestone, shelly limestone. **Metamorphic rocks** – Definition of metamorphism, agents of metamorphism, type of metamorphism, grade and zones of metamorphism, Structures of metamorphic rocks - Cataclastic, maculose, schistose, granulose and gneissose. Textures of metamorphic rocks, Classification of metamorphic rocks - concept of metamorphic facies, Descriptive study of the common metamorphic rocks

Economic Geology: Physical properties of common economic minerals; ore minerals, gangue minerals (gangue), ore, industrial minerals, tenor and grade; syngenetic deposits, epigenetic deposits, General processes of formation of mineral deposits; Mode of occurrence and distribution of metallic and non-metallic mineral deposits in India; gold, copper, lead, zinc, aluminum, iron, manganese, chromium, uranium and thorium, with respect to their mineralogy, uses. Major mineral resources of Andhra Pradesh. asbestos, baryte, bauxite, coal, limestone, manganese, mica., oil and natural gas.

Algebra: Vector Spaces and Subspaces -Null Spaces, Column Spaces, and Linear Transformations -Linearly Independent Sets; Basic concepts on Matrices (Definitions and Notations - Operations on Matrices)- Determinant of a Square Matrix - Non Singular matrix and Singular Matrix Rank of a Matrix, Inverse of a Square Matrix – Matrix Equation – Methods to Solve Linear System of Equations, Eigen values and Eigen vectors; Sets and their representation; Union, intersection and complement of sets and their algebraic properties; Power set; Relation, Types of relations, equivalence relations, functions;. one-one, into and onto functions, composition of functions.

Calculus: Limits, continuity and differentiability. Differentiation of the sum, difference, product and quotient of two functions. Differentiation of trigonometric, inverse trigonometric, logarithmic, exponential, composite and implicit functions; derivatives of order upto two. Maxima and minima of functions of one variable, Integral as an anti – derivative. Fundamental integrals involving algebraic, trigonometric, exponential and logarithmic functions. Integration by substitution, by parts and by partial fractions. Properties of definite integrals. Evaluation of definite integrals, determining areas of the regions bounded by simple curves in standard form.

Statistics: Measures of Central tendencies, measures of dispersions, Moments, skewness, kurtosis, Probability definitions (classical and statistical) Addition, Multiplication and bayes theorems, simple problems on probability, Correlation & Regression (simple & Multiple), Principal component analysis, Cluster Analysis (Single, complete and average linkage methods, dendrogram)

ANNEXURE – IV

INSTRUCTIONS TO CANDIDATES:

A) GENERAL INSTRUCTIONS TO CANDIDATES

- 1) Candidates are directed to follow the Commission's Website (<https://www.tspsc.gov.in>) regularly to Know the latest developments regarding the Recruitment, dates of Examination, calling of candidates for verification of Certificates/ Medical Boards, Results etc.
- 2) **EDIT OPTION TO THE CANDIDATES:** The applicants should follow the TSPSC website regularly to utilize the edit option to rectify the mistakes viz., Biodata particulars/Data corrections / Omissions etc., in the application, if the facility is given by the Commission. If the edit option facility is not utilized by the candidates, the TSPSC is not responsible and the data already available is treated as final. After the due date, Data corrections through Online/Paper representations or Corrections on the Nominal Rolls in the examination hall will not be accepted under any circumstances. No correspondence will be entertained in this matter.
- 3) There will be a common examination for Paper-I i.e., General Studies as decided by the Commission, whenever required.
- 4) The candidates must note that his/her admission to the examination is strictly provisional. The mere fact that an Admission to the examination does not imply that his/her candidature has been finally cleared by the Commission or that the entries made by the candidate in his/her application have been accepted by the Commission as true and correct. The candidates have to be found suitable after verification of original certificates; and other eligibility criteria. The Applicants have to upload his/her scanned recent colour passport photo and signature to the Application Form. Failure to produce the same photograph, if required, at the time of verification, may lead to disqualification.
- 5) The candidates are not allowed to bring any Electronic devices such as Smart / Mobile phones, Calculators, tablets, iPad, Bluetooth, pagers, watches to examination centre. Loaning and interchanging of articles among the candidates is not permitted in the examination hall and any form of malpractice will not be permitted in the exam hall.
- 6) The candidates are expected to behave in an orderly and disciplined manner while writing the examination. If any candidate takes away Answer Sheet of OMR based examination, the candidature will be rejected. In case of impersonation/ disorder/ rowdy behavior during Examination, cases shall be booked in the Police Station concerned, apart from disqualifying his /her candidature.
- 7) Candidates trying to use unfair means shall be disqualified from the selection. No correspondence whatsoever will be entertained from the candidates.
- 8) The Commission is also empowered to invoke the penal provisions of the T.S. Public Examinations (Prevention of Malpractices and Unfair means) Act, 1997 (Act No.25/1997) for matters connected therewith or incidental thereto and as per the Rules of Procedure of TSPSC published in Telangana Gazette No: 60 dated 28/12/2015 in respect of this Notification.
- 9)
 - (i) The candidates who are totally blind are allowed to write the examination with the help of scribe provided by TSPSC and 20 minutes extra time is permitted to them per hour.
 - (ii) Scribe will be provided by TSPSC to those candidates who do not have both the upper limbs for Orthopedically Handicapped. However, no extra time will be granted to them.
 - (iii) Scribe will be provided to the above category of candidates who applied for scribe facility in the online application only.
 - (iv) An extra time of 20 minutes per hour is also permitted for the candidates with locomotor disability and CEREBRAL PALSY where dominant (writing) extremity is affected for the extent slowing the performance of function (**Minimum of 40% impairment**). Scribe is allowed to such candidates also.
 - (v) The scribe should be from an academic discipline other than that of the candidate and the academic qualification of the scribe should be one grade lower than the stipulated eligibility criteria.
 - (vi) The candidate as well as the scribe will have to give a suitable undertaking confirming the rules applicable.

B) INSTRUCTIONS TO CANDIDATES REGARDING OMR BASED EXAMINATION

- 1) The candidates have to report to the examination venue at least 30 minutes before the commencement of examination, to record their Photo Image/thumb impression on Biometric system.
- 2) The candidate should satisfy the Invigilator of his identity with reference to the Signature and Photograph available on the Nominal Roll and Hall Ticket.
- 3) The candidates should go through the instructions given on the cover page of test booklet and OMR Answer Sheet which will be provided to him/her in the examination hall and carefully write his/her Hall Ticket Number, Subject / Paper Code, **Question Booklet Number**, Name of the Examination Centre etc., on the OMR Answer Sheet. The candidates have to USE BALL POINT PEN (BLUE/BLACK) ONLY to fill up relevant columns on the Answer Sheet including MARKING OF THE ANSWERS. Bubbling by Pencil / Ink Pen /Gel Pen is not permitted in the examination.
- 4) The candidate must write all the relevant columns in the Answer sheet and also encode (bubble) correctly such as Hall Ticket Number, Question Booklet Number and Paper Code on the OMR Answer Sheet carefully and to Sign in the space provided for on Side-1 of the Answer Sheet and ensure the Signature of the Invigilator, etc., on it, failing which the Answer sheet will be rejected. Use of whitener / eraser / chalk-powder etc., is strictly prohibited on the OMR Answer sheet/ Question Paper.
- 5) Candidate should encode the Hall-Ticket Number and Paper Code first carefully on OMR Answer Sheet. After receiving the Question Paper only, candidate should verify and encode Question Booklet Number on the OMR Answer Sheet.
- 6) OMR Answer sheets cannot be replaced under any circumstances in case of wrong bubbling.
- 7) If there is any defect in the Test Booklet or OMR Answer Sheet, please ask the invigilator for replacement immediately.
- 8) The OMR Answer sheets are to be scanned (valued) with Optical Mark Reader. The Digital copy of OMR Answer Sheets will be made available on the Commission's website immediately after completion of the image scanning.
- 9) No candidate should leave the examination hall till expiry of fulltime. After writing the examination the candidate has to handover the OMR Answer sheet to the invigilator in the examination hall. If any candidate takes away the OMR Answer sheet, his/her candidature will be rejected.
- 10) The Commission would be analyzing the responses of a candidate with other appeared candidates to detect patterns of similarity. If it is suspected that the responses have been shared and the scores obtained are not genuine/ valid, the Commission will invalidate the OMR Answer Sheet and cancel his/ her candidature.

C) INSTRUCTIONS FOR CANDIDATES REGARDING CBRT EXAMINATION

- 1) Candidates shall report at the venue one hour (60 minutes) before the Commencement of Examination as the candidates have to undergo certain procedural formalities required for CBRT examination.
- 2) Date and Time of the Examination are mentioned in the Hall-Ticket
- 3) The examination link with the login screen will already be available on your system. Please inform the invigilator if this is not the case.
- 4) 10 minutes prior to the exam, you'll be prompted to login. Please type the Login ID (H T No.) and the Password (Password for Candidate will be given on exam day) to proceed further.
- 5) Invigilator will announce the password at 09.50 AM and 02.20 PM **in cases if** Examination is at 10:00 A.M and 2:30 P.M respectively.
- 6) Copying or noting down questions and/or options is not allowed. Severe action will be taken if any candidate is found noting down the questions and/or options.
- 7) After logging in, the following will be displayed on your Computer screen:
 - Profile Information - Check the details & click on "I Confirm" or "I Deny".
 - Detailed exam instructions - Please read and understand thoroughly.
 - Please click on the "I am ready to Begin" button.
- 8) After reading the instructions, you have to use the mouse to answer the multiple-choice type questions having FOUR alternative answer choices.
- 9) To answer any numerical answer type question, you need to use the virtual numeric key pad and the mouse.
- 10) On the online exam question screen, the timer will display the balance time remaining for the completion of exam.
- 11) The question numbers are color coded and of different shapes based on the

process of recording your response:

- White (Square) - For un-attempted questions.
 - Red (Inverted Pentagon) - For unanswered questions.
 - Green (Pentagon) - For attempted questions.
 - Violet (Circle) - Question marked by candidate for review to be answered later.
 - Violet (Circle with a Tick mark) - Question answered but marked by candidate for review.
- 12) After answering a question, click the SAVE & NEXT button to save your response and move onto the next question.
 - 13) Click on Mark for Review & NEXT to mark your question for review, and then go to the next question.
 - 14) To clear any answer chosen for a particular question, please click on the CLEAR RESPONSE button.
 - 15) A summary of each section, (i.e. questions answered, not answered, marked for review) is available for each section. You have to place the cursor over the section name for this summary.
 - 16) In case you wish to view a larger font size, please inform the Invigilator. On the Invigilator's confirmation, click on the font size you wish to select. The font size will be visible on the top.
 - 17) You may view INSTRUCTIONS at any point of time during exam, by clicking on the INSTRUCTIONS button on your screen.
 - 18) The SUBMIT button will be activated after 150 Minutes. It will continue for an additional 50 Minutes for PH candidates eligible for compensatory time. Please keep checking the timer on your screen.
 - 19) In case of automatic or emergency log out, all your attempted questions and their responses will be saved. And also, the exam will start from the time where it had stopped.
 - 20) You will be provided a blank sheet for rough work. Do write your Login ID and Password on it. Please ensure that you return it to the invigilator at the end of the exam after tearing ONLY the password from it.
 - 21) Please don't touch the key board as your exam ID will get locked. If your ID gets locked, please inform your invigilator who will help in unlocking your ID and then you can continue with the exam.
 - 22) Please inform the invigilator in case of any technical issues.
 - 23) Please do not talk to or disturb other candidates.
 - 24) In case you are carrying articles other than the admit card, photo identity proof and pen, please leave them outside the exam room.
 - 25) These are model instructions and candidates have to follow latest instructions issued along with Hall tickets

ANNEXURE-V**LIST OF SCHEDULED CASTES AND SCHEDULED TRIBES**

(G.O. MS. NO. 5 Scheduled Castes Development (POA.A2) Dept., Dt. 08/08/2015 read with G.O. Ms. No. 11, Scheduled Castes Development (POA.A2) Dept., Dt. 17/09/2014 and G.O. Ms. No. 2 Scheduled Castes Development (POA.A2) Dept., Dt. 22.01.2015)

LIST OF SCHEDULED CASTES

1. Adi Andhra
2. Adi Dravida
3. Anamuk
4. Aray Mala
5. Arundhatiya
6. Arwa Mala
7. Bariki
8. Bavuri
9. Beda (Budga) Jangam
10. Bindla
11. Byagara, Byagari
12. Chachati
13. Chalavadi
14. Chamar, Mochi, Muchi, Chamar-Ravidas, Chamar- Rohidas
15. Chambhar
16. Chandala
17. Dakkal, Dokkalwar
18. Dandasi
19. Dhor
20. Dom, Dombara, Paidi, Pano
21. Ellamalawar, Yellammalawandlu
22. Ghasi, Haddi, Relli, Chanchandi
23. Godari
24. Gosangi
25. Holey
26. Holey Dasari
27. Jaggali
28. Jambuvulu
29. Kolupulvandlu, Pambada, Pambanda, Pambala
30. Madasi Kuruva, Madari Kuruva
31. Madiga
32. Madiga Dasu, Mashteen
33. Mahar
34. Mala, Mala Ayawaru
35. Mala Dasari
36. Mala Dasu
37. Mala Hannai
38. Malajangam
39. Mala Masti
40. Mala Sale, Nethani
41. Mala Sanyasi
42. Mang
43. Mang Garodi
44. Manne
45. Mashti
46. Matangi
47. Mehtar
48. Mitha Ayyalvar
49. Mundala
50. Paky, Moti, Thoti
51. Pamidi
52. Panchama, Pariah
53. Relli
54. Samagara
55. Samban
56. Sapru
57. Sindhollu, Chindollu
58. Yatala
59. Valluvan

LIST OF SCHEDULED TRIBES

1. Andh, Sadhu Andh
2. Bagata
3. Bhil
4. Chenchu
5. Gadabas, Bodo Gadaba, Gutob Gadaba, Kallayi Gadaba, Parangi Gadaba, Kathera Gadaba, Kapu Gadaba
6. Gond, Naikpod, Rajgond, Koitur
7. Goudu (in the Agency tracts)
8. Hill Reddis
9. Jatapus
10. Kammara
11. Kattunayakan
12. Kolam, Kolawar
13. Konda Dhoras, Kubi
14. Konda Kapus
15. Kondareddis
16. Kondhs, Kodi, Kodhu, Desaya Kondhs, Dongria Kondhs, Kuttiya Kondhs, Tikiria Kondhs, Yenity Kondhs, Kuvinga
17. Kotia, Benthoriya, Bartika, Dulia, Holya, Sanrona, Sidhopaiko
18. Koya, Doli Koya, Gutta Koya, Kammara Koya, Musara Koya, Oddi Koya, Pattidi Koya, Rajah, Rasha Koya, Lingadhari Koya (ordinary), Kottu Koya, Bhine Koya, Rajkoya
19. Kulia
20. Manna Dhora
21. Mukha Dhora, Nooka Dhora
22. Nayaks (in the Agency tracts)
23. Pardhan
24. Porja, Parangiperja
25. Reddi Dhoras
26. Rona, Rena
27. Savaras, Kapu Savaras, Maliya Savaras, Khutto Savaras
28. Sugalis, Lambadis, Banjara
29. Thoti (in Adilabad, Hyderabad, Karimnagar, Khammam, Mahbubnagar, Medak, Nalgonda, Nizamabad and Warangal districts)
30. Yenadis, Chella Yenadi, Kappala Yenadi, Manchi Yenadi, Reddi Yenadi
31. Yerukulas, Koracha, Dabba Yerukula, Kunchapuri Yerukula, Uppu Yerukula
32. Nakkala, Kurvikaran.

LIST OF SOCIALLY AND EDUCATIONALLY BACKWARD CLASSES

As per G.O. Ms. No. 16 Backward Classes Welfare (OP) Department, Dated: 11.03.2015 and read with G.O. MS. No. 34, Backward Classes Welfare (OP) Department, Dated: 08/10/2015, G.O. Ms. No. 4 Backward Classes Welfare (OP) Department, Dated: 30/01/2016, G.O. Ms. No. 3 Backward Classes Welfare (B) Department, Dated: 09-09-2020

**STATE LIST OF BCs
(List of Backward Classes of Telangana State)**

GROUP-A

(Aboriginal Tribes, Vimuktha Jathis, Nomadic and Semi-Nomadic Tribes etc.)

- 1 Agnikulakshatriya, Palli, Vadabaliya, Bestha, Jalari, Gangavar, Gangaputra, Goondla, Vanyakulakshatriya (Vannekapu, Vannerreddi, Pallikapu, Pallireddi) Neyyala, Pattapu.
- 2 Balasanthu, Bahurupi
- 3 *[Bandara]
- 4 Budabukkala
- 5 Rajaka (Chakali, Vannar)
- 6 Dasari (formerly engaged in Bikshatana i.e., Beggary)
- 7 Dommara
- 8 Gangiredlavaru
- 9 Jangam (whose traditional occupation is begging)
- 10 Jogi
- 11 Katipapala
- 12 *[Korcha]
- 13 Lambada or Banjara in Telangana area (deleted and included in ST list vide. G.O. Ms. No. 149, SW, Dt. 03.05.1978)
- 14 Medari or Mahendra
- 15 Mondivaru, Mondibanda, Banda

- 16 Nayi-Brahmin/Nayee-Brahmin (Mangali), Mangala and Bhajantri
- 17 Nakkala (deleted vide. G.O.Ms.No.21, BCW (C2) Dept., Dt.20.06.2011, since it is included in the list of Scheduled Tribes at Sl.No.34 vide. Scheduled Castes and Scheduled Tribes Order (Amendment) Act, 2002 (Central Act No.10 of 2003)
- 18 Vamsha Raj / Pitchiguntla
- 19 Pamula
- 20 Pardhi (Nirshikari)
- 21 Pambala
- 22 Peddammavandlu, Devaravandlu, Yellammavandlu, Mutyalammavandlu, Dammali / Dammala / Dammula / Damala
- 23 Veeramushti (Nettikotala), Veerabhadreeya
- 24 Valmiki Boya (Boya, Bedar, Kirataka, Nishadi, Yellapi, Pedda Boya), Talayari, Chunduvallu (Yellapi and Yellapu are one and the same as clarified vide. G.O.Ms.No.61, BCW (M1) Dept., Dt.05.12.1996)
- 25 Yerukalas in Telangana area (deleted and included at Sl.No.31 in the list of STs)
- 26 Gudala
- 27 Kanjara – Bhatta
- 28 *[Kalinga]
- 29 Kepmare or Reddika
- 30 Mondepatta
- 31 Nokkar
- 32 Pariki Muggula
- 33 Yata
- 34 Chopemari
- 35 Kaikadi
- 36 Joshinandiwalas
- 37 Odde (Oddilu, Vaddi, Vaddelu), Vaddera, Vaddabhovi, Vadiyaraj, Waddera
- 38 Mandula
- 39 Mehtar (Muslim)
- 40 Kunapuli
- 41 Patra
- 42 *[Kurakula]
- 43 *[Pondara]
- 44 *[Samanthula /Samantha/ Sountia / Sauntia]
- 45 Pala-Ekari, Ekila, Vyakula, Ekiri, Nayanivaru, Palegaru, Tolagari, Kavali (area confined to Hyderabad and Rangareddy Districts only)
- 46 Rajannala, Rajannalu (area confined to Karimnagar, Warangal, Nizamabad and Adilabad Districts only)
- 47 Bukka Ayyavars
- 48 Gotrala
- 49 Kasikapadi / Kasikapudi (area confined to Hyderabad, Rangareddy, Nizamabad, Mahaboobnagar and Adilabad Districts only)
- 50 Siddula
- 51 Sikligar/ Saikalgar
- 52 Poosala (included vide. G.O.Ms.No.16, BCW(C2) Dept., Dt.19.02.2009 by deleting from Sl.No.24 under Group-D)
- 53 *[Aasadula / Asadula]
- 54 *[Keuta / Kevuto / Keviti]
- 55 Orphan and Destitute Children who have lost their parents before reaching the age of ten and are destitute; and who have nobody else to take care of them either by law or custom; and also who are admitted into any of the schools or orphanages run by the Government or recognised by the Government.
- 56 Addapuvaru
- 57 Bagothula/ Bhagavathula
- 58 Bail Kammara/ Ghisadi/ Gadiya Lohar
- 59 Enooti/ Yenativallu
- 60 Ganjikuti/ Ganjikutivaru
- 61 Gouda Jeti
- 62 Kakipadagala
- 63 Patamvaru/ Masaiahlu
- 64 Odd/ Od/ Oad
- 65 Sonnayila/ Sannayila/ Sannayollu
- 66 Sri Kshatriya Ramajogi/ Ramajogi/ Ramajogula
- 67 Theracheerala/ Telsoori/ Baikani
- 68 Tholubommalatavaru/ Boppala

GROUP-B
(Vocational Groups)

- 1 *[Achukatlavandlu]
- 2 Aryakshatriya, Chittari, Giniyar, Chitrakara, Nakhas
- 3 Devanga
- 4 Goud [Ediga, Gouda (Gamalla), Kalalee, Gounda, **[*Settibalija of Visakhapatnam, East Godavari, West Godavari and Krishna districts]** and Srisayana (Segidi)]
- 5 Dudekula, Laddaf, Pinjari or Noorbash
- 6 Gandla, Telikula, Devathilakula
- 7 Jandra
- 8 Kummara or Kulala, Salivahana
- 9 Karikalabhakthulu, Kaikolan or Kaikala (Sengundam or Sengunther)
- 10 Karnabhakthulu
- 11 Kuruba or Kuruma
- 12 *[Nagavaddilu]
- 13 Neelakanthi
- 14 Patkar (Khatri)
- 15 Perika (Perika Balija, Puragiri kshatriya)
- 16 Nessi or Kurni
- 17 Padmasali (Sali, Salivan, Pattusali, Senapathulu, Thogata Sali)
- 18 Srisayana (Segidi) (deleted vide. G.O.Ms.No.63, BCW (M1) Dept., Dt.11.12.1996 and added to Sl.No.4 of Group-B)
- 19 Swakulasali
- 20 Thogata, Thogati or Thogataveerakshatriya
- 21 Viswabrahmin (Ausula, Kamsali, Kammari, Kanchari, Vadla or Vadra or Vadrangi and Silpis), Viswakarma
- 22 *[Kunchiti / Vakkaliga / Vakkaligara / Kunchitiga]
- 23 Lodh/ Lodhi/ Lodha (area confined to Hyderabad, Rangareddy, Khammam and Adilabad Districts only)
- 24 Bondili
- 25 Are Marathi, Maratha (Non-Brahmins), Arakalies and Surabhi Natakavallu
- 26 Neeli (included vide. G.O.Ms.No. 43, BCW (C2) Dept., Dt.07.08.2008 by deleting from Group D at Sl.No.22)
- 27 Budubunjala / Bhunjwa / Bhadbhunja (area confined to Hyderabad and Rangareddy Districts only)
- 28 *[Gudia / Gudiya]

GROUP-C

Scheduled Castes converts to Christianity and their progeny

GROUP-D
(Other Classes)

- 1 *[Agaru]
- 2 Arekatika, Katika, Are-Suryavamshi
- 3 *[Atagara]
- 4 Bhatraju
- 5 Chippolu (Mera)
- 6 *[Gavara]
- 7 *[Godaba]
- 8 Hatkar
- 9 *[Jakkala]
- 10 Jingar
- 11 *[Kandra]
- 12 Koshti
- 13 Kachi
- 14 Surya Balija (Kalavanthula), Ganika
- 15 Krishnabalija (Dasari, Bukka)
- 16 *[Koppulavelamas]
- 17 Mathura
- 18 Mali (Bare, Barai, Marar and Tamboli)
- 19 Mudiraj, Mutrasi, Tenugollu
- 20 Munnurukapu
- 21 *[Nagavasam (Nagavamsa)]
- 22 Nelli (deleted vide. G.O.Ms.No.43, BCW(C2) Dept., Dt.07.08.2008 and added at Sl.No.26 in Group 'B')
- 23 *[Polinati Velamas of Srikakulam and Visakhapatnam districts]

- 24 Poosala caste (deleted vide. G.O.Ms.No.16, BCW(C2) Dept., Dt.19.02.2009 and included at S.No.52 under Group-A)
- 25 Passi
- 26 Rangarez or Bhavasara Kshatriya
- 27 Sadhuchetty
- 28 Satani (Chattadasrivaishnava)
- 29 Tammali (Non-Brahmins) (Shudra caste) whose traditional occupation is playing musical instruments, vending of flowers and giving assistance in temple service but not Shivarchakars
- 30 *[Turupukapus or Gajulakapus]
- 31 Uppara or Sagara
- 32 Vanjara (Vanjari)
- 33 Yadava (Golla)
- 34 Are, Arevalli and Arollu
- 35 *[Sadara / Sadaru]
- 36 *[Arava]
- 37 Ayyaraka (area confined to Khammam and Warangal Districts only)
- 38 Nagaralu (area confined to Hyderabad and Rangareddy Districts only)
- 39 Aghamudian, Aghamudiar, Agamudivellalar and Agamudimudaliar (including Thuluva Vellalas) (area confined to Hyderabad and Rangareddy Districts only)
- 40 *[Beri Vysya / Beri Chetty]
- 41 *[Atirasa]
- 42 Sondi / Sundi
- 43 Varala
- 44 Sistakaranam
- 45 Lakkamarikapu
- 46 Veerashaiva Lingayat / Lingabaliya
- 47 Kurmi
- 48 Aheer/ Aheer Yadav
- 49 Govili/Govlii/ Gouli/Gavli
- 50 Kulla Kadagi/ Kulle Kadigi/ Chittepu
- 51 Sarollu/Soma Vamsha Kshatriya

GROUP-E

(Socially and Educationally Backward Classes of Muslims)
(Subject to outcome of Civil Appeal No(s).2628-2637/2010 etc., pending before the Hon'ble Supreme Court of India)

- 1 Achchukattalavandlu, Singali, Singamvalli, Achchupanivalli, Achchukattuvaru, Achukatlavandlu
- 2 Attar Saibulu, Attarollu
- 3 Dhobi Muslim/ Muslim Dhobi/ Dhobi Musalman, Turka Chakla or Turka Sakala, Turaka Chakali, Tulukka Vannan, Tsakalas, Sakalas or Chakalas, Muslim Rajakas
- 4 Faqir, Fhakir Budbudki, Ghanti Fhakir, Ghanta Fhakirlu, Turaka Budbudki, Darvesh, Fakeer
- 5 Garadi Muslim, Garadi Saibulu, Pamulavalli, Kani-Kattuvalli, Garadollu, Garadiga
- 6 Gosangi Muslim, Phakeer Sayebulu
- 7 Guddi Eluguvalli, Elugu Bantuvalli, Musalman Keelu Gurrallavalli
- 8 Hajam, Nai, Nai Muslim, Navid
- 9 Labbi, Labbai, Labbon, Labba
- 10 Pakeerla, Borewale, Deera Phakirlu, Bonthala
- 11 Qureshi, Kureshi/ Khureshi, Khasab, Marati Khasab, Muslim Katika, Khatik Muslim
- 12 Shaik/ Sheikh
- 13 Siddi, Yaba, Habshi, Jasi
- 14 Turaka Kasha, Kakkukotte Zinka Saibulu, Chakkitakanevale, Terugadu Gontalavaru, Thirugatigantla, Rollaku Kakku Kottevaru, Pattar Phodulu, Chakketakare, Thuraka Kasha

** omitted vide G.O Ms.No.3, BCW(OP) Dept., Dated:14.08.2014*

- N.B.:1) The above list is for information and subject to confirmation with reference to G.O.Ms.No.58, SW(J) Department, dated 12.05.1997 and time to time orders.
- 2) On account of any reason whatsoever in case of any doubt/ dispute arising in the matter of community status (SC/ST/BC/OC) of any candidate, subject to satisfaction with regard to relevant Rules and Regulations in force the decision of the Commission shall be final in all such cases.

ANNEXURE – VI

List of recognized sports disciplines for Two Percent (2%) reservation in Direct Recruitment in Government Departments / Govt. Institutions as per G.O. Ms. No. 74, Youth Advancement, Tourism & Culture (Sports) Department Dated:09-08-2012

- (1) FOOTBALL
- (2) HOCKEY
- (3) VOLLEYBALL
- (4) HANDBALL
- (5) BASKET BALL
- (6) TENNIS
- (7) TABLE TENNIS
- (8) SHUTTLE BADMINTON
- (9) KABBADI
- (10) ATHLETICS
- (11) SWIMMING
- (12) GYMNASTICS
- (13) WEIGHTLIFTING
- (14) WRESTLING
- (15) BOXING
- (16) CYCLING
- (17) ROWING
- (18) SHOOTING
- (19) FENCING
- (20) ROLLER SKATING
- (21) SAILING / YATCHING
- (22) ARCHERY
- (23) CRICKET
- (24) CHESS
- (25) KHO-KHO
- (26) JUDO
- (27) TEAKWANDO
- (28) SOFTBALL
- (29) BODY BUILDING (Uniform Services like Police, Excise etc).

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