

**UNION PUBLIC SERVICE COMMISSION**  
**RECRUITMENT BRANCH**  
**SPECIAL CELL- II SECTION**

- (i) Forty vacancies for the post of Assistant Geophysicist in Geological Survey of India, Ministry of Mines (SC-04, ST-01, OBC-12, EWS-04, UR-19) (PwBD-01) [Adv. No. 08/2022, Vacancy No. 22040802223].
- (ii) One vacancy for the post of Scientist 'B' (Geo-physics) in Central Soil and Materials Research Station, New Delhi, Department of Water Resources, River Development & Ganga Rejuvenation, Ministry of Jal Shakti (OBC-01) [Adv. No. 17/2022, Vacancy No. 22091706210].
- (iii) One vacancy for the post of Assistant Geophysicist in Geological Survey of India, Ministry of Mines (UR- 01) [Adv. No. 21/2022, Vacancy No. 22112109212].

**TIME TABLE & INSTRUCTIONS TO CANDIDATES**

PLEASE CAREFULLY READ THE FOLLOWING INSTRUCTIONS, VIOLATION OF ANY INSTRUCTION WILL RENDER THE CANDIDATE LIABLE TO SUCH ACTION AS THE COMMISSION MAY DEEM FIT TO TAKE. ***{THE CANDIDATES ARE ADVISED TO BRING THIS COPY OF INSTRUCTIONS TO THE TEST (RECRUITMENT TEST) HALL FOR REFERENCE }***

**TIME TABLE**

<b><u>DATE &amp; DAY</u></b>	<b><u>INDIAN STANDARD TIME</u></b>	<b><u>SUBJECT &amp; SUBJECT CODE</u></b>
02 <sup>nd</sup> April, 2023 (SUNDAY)(AN)	02.00 P.M to 04.00 P.M.	GEOPHYSICS (04)

**NOTES:**

**CANDIDATES' REPORTING TIME AT TEST CENTER IS 1 HOUR BEFORE THE SCHEDULED COMMENCEMENT OF THE TEST.**

**ENTRY INTO THE TEST VENUE WILL BE CLOSED 10 MINUTES BEFORE THE SCHEDULED COMMENCEMENT OF THE RECRUITMENT TEST I.E. 01.50 P.M**

**CANDIDATES MUST BRING HARD COPY(PRINT OUT) OF HIS/HER E-ADMIT CARD TO THE TEST HALL TO SECURE ADMISSION.**

**I. Scheme of the Test:**

- (a) The test will be of two hours duration.
- (b) All questions will carry equal marks.
- (c) The test will be objective type questions with multiple choices of answer.
- (d) The medium of the test will be English only.

- (e) There will be penalty for wrong answers. Every wrong answer will carry a deduction of one-third of the marks assigned to that question. If no answer is marked for a question, there will be no penalty for that question.
- (f) The Test will carry a maximum of 300 marks.

**II. Syllabus of the Test:**

1. Gravity and Magnetic Theory; Electrical and Electromagnetic Theory.
2. Seismology, Application of Gravity and magnetic techniques in geophysical mapping and mineral exploration, theory of isostasy, Remote Sensing & GIS applications Airborne Marine and Borehole geophysics, Electrical and Electromagnetic techniques and applications in mineral exploration, ground water etc.
3. Structural Geology, Geotectonic, Physical Geology, Paleomagnetism Ore genesis.
4. Mathematical Physics including Fourier series and Laplace Transform, Potential Field Theory
5. Communication and Instrumentation Electronics

**III. Weightage:**

Combined RT and Interview may carry a 75:25 Weightage for those candidates short-listed through the Combined RT and those who qualify in the interview.

**IMPORTANT NOTES:**

A. The Candidate must take the Test only at the Test Venue indicated in the e-Admit Card only. If the Candidate appears at any other Test Venue, his candidature is liable to be cancelled.

B. As for candidates shortlisted in the Combined RT, the scrutiny would be done on the basis of documents uploaded by them at the time of filling of Online Application (ORA) for the subject post. However, candidates may be asked through e-mail to furnish the deficient documents, if required. Their documents will be scrutinized and those candidates who fulfill all the eligibility conditions of the posts shall be called for interview.

C. The Candidates are directed to undertake the Recruitment Test at their own risk i.e. after verifying that they fulfill the qualifications as prescribed in the Advertisement, and their admission to the Test is purely 'provisional'.

**INSTRUCTIONS TO CANDIDATES**

**e-ADMIT CARD:**

1. Immediately on downloading of the e-Admit Card, the candidate should check it very carefully and bring to the notice of the Union Public Service Commission the discrepancies, if any, without loss of time. Special attention may be paid to the subject of the Test. Efforts will be made to upload the revised e-Admit Card(s) at the earliest in case of discrepancies. He/She must read carefully the Important Instructions mentioned there in. He/she must bring hard copy(print out)

Of his/her e-Admit Card to the TEST Hall to secure Admission. The candidates who do not have clear photographs on the e-admit card will have to bring two passport size photographs for appearing in the Recruitment Test with an undertaking along with photo identity proof viz. Aadhar Card, Driving License, Passport, Voter I.D. etc.

- 1.1 The candidate is responsible for the safe custody of the e-Admit Card. In the event of one's e-Admit Card being used by any other person for securing admission to the Test, the onus lies on the candidate to prove that he/she has not secured the service of an impersonator and the candidature will be cancelled and he/she will be liable for disciplinary action.
- 1.2 The candidate must bring the e-Admit Card to the TEST Hall. After entering the TEST Hall, the candidate must fill the Attendance List as per instructions and sign the Attendance List which will be produced before him/her by the Invigilator and then hand over the Attendance List to the Invigilator.

**CONDUCT OF THE RECRUITMENT TEST:**

- 2 Seating Plan for the candidates will be displayed at the venue of the TEST on the day of Recruitment Test. The candidates, before proceeding to the TEST halls/rooms, are advised to check the exact location of their seats.
- 2.1 The candidate is required to encode/write the serial number of the OMR Sheet and Serial Number and Series of Test Booklet issued to him/her in the Attendance lists, which will be produced before him/her by the Invigilator.
- 2.2 The candidate is requested to reach the Venue well in advance to undergo frisking. He/She will be allowed to enter the TEST Hall 60 minutes/ 1 hour before prescribed time for the commencement of the Test and get seated immediately on the seat bearing his/her Roll Number.
- 2.3 The candidate must attempt questions in accordance with the directions given on the Test Booklet.
- 2.4 The OMR Sheet will be supplied by the Invigilator of the TEST Hall. The candidate will not be provided any separate sheet for rough work as blank sheets for rough work will be appended at the end of the Test Booklet itself.

- 2.5 The candidate must mark the answers himself/herself with Black Ball point pen by blackening the appropriate circle. Under no circumstances, the candidate will be allowed the help of any other person to mark responses.
- 2.6 The candidate shall neither copy from the papers of any other candidate, nor permit his/her own papers to be copied. No attempt should be made to obtain any kind of unauthorized assistance. There should NOT be any other marking on the OMR sheet.
- 2.7 No candidate shall go outside the TEST Hall for any purpose, whatsoever, without prior permission of the **Invigilator on duty/Supervisor.**
- 2.8 When going to the toilet the candidate should turn his/her OMR sheet upside down.
- 2.9 No candidate shall be permitted to leave TEST Hall till expiry of the allotted time.
- 2.10 No candidate shall be allowed to go to the toilet during the last 30 minutes of the Test.
- 2.11A signal will be given at the beginning of the TEST; at half time and five minutes before the closing time. There will also be a final signal at the closing time. The candidate must not continue to mark or revise his/her answers after the expiry of the time allotted for the paper.
- 2.12 On completion of the Recruitment Test, the candidate shall continue to be seated and wait until OMR Sheet is collected and is allowed to go by the Invigilator. The candidate should not engage in conversation with any other candidate after the expiry of the allotted time.
- 2.13 The candidates should not crowd near or loiter in and around the TEST Hall/Room after leaving the Hall/Room.
- 2.14. Silence must be observed at all times in the TEST Hall/Room.
- 2.15. The candidate must abide by the instructions on the cover of the Test booklet and on the OMR Sheet and such further instructions as may be given by Supervisor/Invigilator of the Test. If the candidate fails to do so or indulges in disorderly or improper conduct, he/she will render himself/herself liable to expulsion from the Test and/or such other punishment as the Commission may deem fit to impose.
- 2.16 The candidate will furnish such necessary and correct information as may be required from him/her in the TEST Hall by the Invigilator/Assistant Supervisor/Supervisor/other persons so authorized.

**HANDLING OF OMR /TEST BOOKLET:**

- 3.1 Write clearly in Black Ball point pen the Centre, Subject, Subject Code, Series of the Test Booklet and Roll Number in spaces provided in the OMR Sheet. Encode in Black Ball point pen the Booklet Series, Subject Code and Roll Number in the circles provided for the purpose in the OMR Sheet.

- 3.2 The Test Booklet Series is indicated on top right hand corner of the Test Booklet. Encode clearly test Booklet Series A, B, C or D as the case may be in the box on top of the OMR Sheet. **In case the Booklet Series is not printed on Test Booklet or OMR Sheet is un-numbered, the matter may be reported immediately to the invigilator concerned and the Test Booklet/OMR Sheet may be got replaced.**
- 3.3 The encoding of Test Booklet Series done by each candidate should tally with encoding of Test Booklet Series made by the invigilator at the appropriate space provided in the OMR sheet on the left hand margin with reference to series printed on the cover page of the Test Booklet.
- 3.4 All the corrections and changes in writing the Roll Number must be initialed by the candidate as well as by the invigilator and countersigned by the supervisor.
- 3.5 Immediately after the commencement of the test, the candidate should check that the Test Booklet supplied to him/her does not have any unprinted or torn or missing pages or items. If so, he/she should bring it to the notice of the invigilator and get it replaced by a complete Test Booklet of the same series.
- 3.6 The candidate must not write his/her name or anything else except the specific item of information asked for in the OMR Sheet/Test Booklet.
- 3.7 The candidate must take care to ensure that the OMR Sheet is not folded, mutilated or torn during handling. There should be no extraneous marking in the OMR Sheet.
- 3.8 The candidate should not tamper with or take away the OMR Sheet with him/her. He/she will be penalised for any attempt to do so.
- 3.9. The candidates should note that any omission/mistake/discrepancy in encoding /filling in details in the OMR sheet, especially with regard to Roll Number and Test Booklet Series Code, will render the OMR sheet liable for rejection.

**ITEMS ALLOWED AND NOT ALLOWED IN THE HALL**

- 4 The candidates are advised to bring their own **Black Ball point pen**. Candidates must use only **Black Ballpoint pen** for marking responses on the OMR sheet.
- 4.1 Electronic or any other type of calculators, log tables, slide rules, cellular/mobile phones and such IT gadgets/pagers or any other electronic equipment or device or any other equipment capable of being used as a communication device are not allowed inside the premises where the TEST is being conducted. Any infringement of the above instructions shall entail disciplinary action including ban from future TESTs.
- 4.2 Candidates are permitted to take with them after conclusion of the Recruitment Test, the Test Booklet issued to them.
- 4.3 Candidates are advised not to bring any valuables/costly items to the TEST Halls, as safe keeping of the same cannot be assured. Commission will not be responsible for any loss in this regard.

- 4.4 **Wearing of Masks/ face cover is mandatory for all candidates. Candidates without mask/ facial cover will not be allowed entry into the venue.**
- 4.5 **Candidates, however, will have to remove their masks for verification, whenever required by the Examination functionaries.**
- 4.6 **Candidate may carry his/ her own hand sanitizer (small size) in transparent bottle.**
- 4.7 **Candidates to follow COVID-19 norms of ‘Social Distancing’ as well as ‘Personal Hygiene’ inside the Rooms as well as premises of the venue.**

**GENERAL INSTRUCTIONS**

- 5 The candidate must note that his/her admission to the Test is strictly “Provisional”.
- 5.1 The mere fact that an e-Admit Card has been issued to him/her does not imply that the candidature has been finally cleared by the Commission or that the entries made by the candidate in his/her application for the Test have Been accepted by the Commission as true and correct.
- 5.2 The candidate must note that the Commission takes up the verification of eligibility conditions i.e. age, educational qualifications, community etc. with reference to original documents only of those candidates who qualify in the Recruitment Test. Unless the candidature is formally confirmed by the Commission, it continues to be “Provisional”.
- 5.3 The candidate must also note that if subsequent to the issue of e-Admit Card, ineligibility is detected at any stage before or after the Test or if the conditions prescribed in the Rules and Instructions given in the advertisement or any other additional information/documents called for at any stage are not complied with within the time specified therein, the candidature would be rejected.
- 5.4 Travelling and other expenses must be borne by the candidate himself/ herself.
- 5.5 The Commission does not make arrangements for boarding and lodging of any candidate.

**IMPORTANT INSTRUCTIONS FOR PH CANDIDATES:**

- 6 (i) Forty vacancies for the post of Assistant Geophysicist in Geological Survey of India, Ministry of Mines (SC-04, ST-01, OBC-12, EWS-04, UR-19) (PwBD-01) [Adv. No. 08/2022, Vacancy No. 22040802223]: \*Of the forty vacancies, one vacancy is reserved for candidates belonging to category of Persons with Benchmark Disability (PwBD) viz. Locomotor Disability including Cerebral Palsy, Leprosy Cured, Dwarfism, Acid Attack Victims and Muscular Dystrophy with disability i.e. One leg affected (R or L) (OL) or One arm affected (R or L) (OA) or Dwarfism (DW) or Acid Attack Victims (AAV). The vacancies are also suitable for candidates belonging to category of Persons with Benchmark Disability (PwBD) viz. Deaf and Hard of Hearing with disability i.e. Hard of Hearing (HH), Locomotor Disability including Cerebral Palsy, Leprosy Cured, Dwarfism, Acid Attack Victims and Muscular Dystrophy with disability i.e. One leg affected (R or L) (OL) or One

arm affected (R or L) (OA) or Dwarfism (DW) or Acid Attack Victims (AAV), Multiple disabilities (MD) i.e. at least two disabilities from the sub-categories of the disabilities indicated above including deaf- blindness.

(i) One vacancy for the post of Scientist 'B' (Geo-physics) in Central Soil and Materials Research Station, New Delhi, Department of Water Resources, River Development & Ganga Rejuvenation, Ministry of Jal Shakti (OBC-01) [Adv. No. 17/2022, Vacancy No. 22091706210]: The vacancy is suitable for candidates belonging to category of Persons with Benchmark Disability (PwBD) viz. Blindness and Low Vision with disability i.e. Low Vision (LV), Deaf and Hard of Hearing with disability i.e. Hard of Hearing (HH), Locomotor Disability including Cerebral Palsy, Leprosy Cured, Dwarfism, Acid Attack Victims and Muscular Dystrophy with disability i.e. One leg affected (R or L) (OL) or One arm affected (R or L) (OA) or Leprosy Cured (LC) or Dwarfism (DW) or Acid Attack Victims (AAV).

(ii) One vacancy for the post of Assistant Geophysicist in Geological Survey of India, Ministry of Mines (UR- 01) [Adv. No. 21/2022, Vacancy No. 22112109212]: The vacancy is suitable for candidates belonging to category of Persons with Benchmark Disability (PwBD) viz. Deaf and Hard of Hearing with disability i.e. Hard of Hearing (HH), Locomotor Disability including Cerebral Palsy, Leprosy Cured, Dwarfism, Acid Attack Victims and Muscular Dystrophy with disability i.e. One leg affected (R or L) (OL) or One arm affected (R or L) (OA) or Leprosy Cured (LC) or Dwarfism (DW) or Acid Attack Victims (AAV), Multiple disabilities (MD) i.e. at least two disabilities from the categories of the disabilities indicated above.

6.1 At this stage, candidates are being admitted to the Recruitment Test based on the data furnished by the candidates in the Online Recruitment Application (ORA) system.

6.2 All the candidates, who have claimed themselves as PH candidates, are, therefore, advised to make themselves sure that they belong to the PH categories as mentioned in the Advertisement.

6.3 The candidates must note that if subsequent to the issue of e-Admit Cards, ineligibility is detected at any stage, the candidature would be rejected.

6.4 As regards to Persons with Benchmark Disabilities (PwBD) candidates, the PwBD candidates in the category of blindness, locomotor disability (both arms affected-BA) and cerebral palsy will be allowed Compensatory Time of twenty minutes per hour of the examination i.e. total 40 minutes apart from allowing the help of scribe, wherever opted for. In case of other categories of Persons with Benchmark Disabilities, this facility will be provided subject to undertaking of production of a certificate to the effect that the person concerned has physical limitation to write from the Chief Medical Officer/Civil Surgeon/Medical Superintendent of a Government Health Care institution. (Proforma enclosed).

**Mobile Phones and all such IT Gadgets are banned in the test venue**

**Annexure-I**

**Certificate regarding physical limitation in an examinee to write**

This is to certify that, I have examined Mr./Ms./Mrs.....  
(name of the candidate with benchmark disability), a person with  
..... (nature and percentage of disability as mentioned in the  
certificate of disability), S/o/D/o....., a resident of  
..... (Village/District/State) and to state that he/she has  
physical limitation which hampers his/her writing capabilities owing to his/her  
disability.

Signature

**Chief Medical Officer/Civil Surgeon /  
Medical Superintendent of a Government Health Care Institution.**

**Note:** Certificate should be given by a specialist of the relevant stream/disability (eg. Visual Impairment – Ophthalmologist, Locomotor disability – Orthopaedic specialist/PMR).

**Annexure-II**

**Letter of Undertaking for Using Own Scribe  
(To be filled by the candidates online to the Commission)**

I....., a candidate with..... (name of the  
disability) appearing for the ..... (name of the  
examination) bearing Roll No..... at ..... (name of the  
centre) in the District ....., ..... (name of the State). My  
qualification is .....

I do hereby state that ..... (name of the scribe) will  
provide the service of scribe/reader/lab assistant for the undersigned for taking the  
aforesaid examination.

I do hereby undertake that his qualification is ..... In case,  
subsequently it is found that his/her qualification is not as declared by the  
undersigned and is beyond my qualification, I shall forfeit my right to the post and  
claims thereto.

**(Signature of the candidates with Disability)**

**Place:**

**Date:**