



UNION PUBLIC SERVICE COMMISSION

EXAMINATION NOTICE NO.13/2012-GEOL

DATED : 15.09.2012

(LAST DATE FOR SUBMISSION OF APPLICATIONS : 15.10.2012)

GEOLOGISTS' EXAMINATION, 2012

(COMMISSION'S WEBSITE : www.upsc.gov.in)

No.4/1/2012-E.I(B) : A competitive examination for recruitment to the posts mentioned in para 2 below will be held by the Union Public Service Commission commencing from the **1st December, 2012** in accordance with the Rules published by the Ministry of Mines in the Gazette of India dated the **15th September, 2012** at the following centres.

AHMEDABAD	JAIPUR
ALLAHABAD	JAMMU
BANGALORE	KOLKATA
BHOPAL	LUCKNOW
CHANDIGARH	MUMBAI
CHENNAI	PATNA
CUTTACK	SHILLONG
DELHI	SHIMLA
DISPUR	THIRUVANANTHAPURAM
HYDERABAD	THAPURAM

The centres and the dates of holding the examination as mentioned above are liable to be changed at the discretion of the commission. Applicants should note that there will be a ceiling on the number of candidates allotted to each of the Centre, except Chennai, Delhi, Dispur, Kolkata and Ahmedabad. Allotment of Centres will be on the "first-apply-first-allot" basis, and once the capacity of a particular Centre is attained, the same will be frozen. Applicants, who cannot get a Centre of their choice due to ceiling, will be required to choose a Centre from the remaining ones. Applicants are, thus, advised that they may apply early so that they could get a Centre of their choice.

NB: Notwithstanding the aforesaid provision, Commission reserve the right to change the Centres at their discretion if the situation demands. Candidates admitted to the examination will be informed of the time table and place or places of examination. Candidates should note that no request for change of centre will be granted.

2(a). The categories of post to which recruitment is to be made on the results of this examination and the approximate number of vacancies in the various posts are given below :-

Category I : (Posts in the Geological Survey of India, Ministry of Mines).

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|--|-----|
| (i) Geologist, Group "A" | 300 |
| (ii) Assistant Geologist Grade-I (Group 'B') | 67 |

Category II : (Posts in the Central Ground Water Board, Ministry of Water Resources)

- | | |
|--|----|
| (i) Jr. Hydrogeologists (Scientist B), Group "A" | 03 |
| (ii) Assistant Hydrogeologists, Group "B" | 12 |

NOTE : 17 vacancies of Geologists and 3 vacancies for Assistant Geologist are reserved for Physically Challenged candidates belonging to the Hearing Impairment Category.

One vacancy of Junior Hydro-geologist is reserved for Physically Challenged Candidate belonging to the (Hearing impairment (Partially).

The above number of vacancies are liable to alteration.

Appointments will be made on a temporary basis in the first instance.

Reservations will be made for candidates belonging to Scheduled Castes, Scheduled Tribes, Other Backward Classes and Physically disabled

IMPORTANT

1. CANDIDATES TO ENSURE THEIR ELIGIBILITY FOR THE EXAMINATION:

Candidates applying for the examination should ensure that they fulfil all eligibility conditions for admission to the Examination. Their admission at all the stages of the examination will be purely **provisional** subject to satisfying the prescribed eligibility conditions.

Mere issue of Admission Certificate to the candidate will not imply that his/her candidature has been finally cleared by the Commission.

Verification of eligibility conditions with reference to original documents is taken up only after the candidate has qualified for Interview/Personality Test.

2. HOW TO APPLY :

Candidates are required to apply **online** only by using the website www.upsconline.nic.in Brief instructions for filling up the online Application Form have been given in Appendix-II. Detailed instructions are available on the above mentioned website.

3. LAST DATE OF SUBMISSION OF APPLICATIONS:

The Online Applications can be filled upto **15th October, 2012 till 11.59 PM**, after which the link will be disabled.

4. The eligible candidates shall be issued an e-Admission Certificate two weeks before the commencement of the examination. The e-Admission Certificate will be made available in the UPSC website (www.upsc.gov.in) for downloading by candidates. No Admission Certificate will be sent by post. All the applicants are required to provide valid active E-Mail I.D. while filling up Online Application Form as the Commission may use electronic mode for contacting them at different stages of examination process.

5. SPECIAL INSTRUCTIONS :

Candidates are advised to read carefully "Special Instructions to the Candidates for Conventional Type Tests" (Appendix III).

6. FACILITATION COUNTER FOR GUIDANCE OF CANDIDATES :

In case of any guidance/information/clarification regarding their applications, candidature etc. candidates can contact UPSC's Facilitation Counter near 'C' Gate of its campus in person or over **Telephone No. 011-23385271/011-23381125/011-23098543** on working days between 10.00 hrs and 17.00 hrs.

7. Mobile Phones Banned:

(a) Mobile phones, pagers or any other communication devices are not allowed inside the premises where the examination is being conducted. Any infringement of these instructions shall entail disciplinary action including ban from future examinations.

(b) Candidates are advised in their own interest not to bring any of the banned item including mobile phones/pagers or any valuable/costly items to the venue of the examination, as arrangement for safe-keeping cannot be assured. Commission will not be responsible for any loss in this regard.

**CANDIDATES ARE REQUIRED TO APPLY ONLINE ONLY.
NO OTHER MODE IS ALLOWED FOR SUBMISSION OF APPLICATION.**

categories in respect of vacancies as may be fixed by the Government.

A candidate will be eligible to get the benefit of community reservation only in case the particular caste to which the candidate belongs is included in the list of reserved communities issued by the Central Government. If a candidate indicates in his/her Application Form for Geologists Examination that he/she belongs to General Category but subsequently writes to the Commission to change his/her category, to a reserved one, such request shall not be entertained by the Commission.

While the above principle will be followed in general, there may be a few cases where there was a little gap (say 2-3 months)

between the issuance of a Government Notification enlisting a particular community in the list of any of the reserved communities and the date of submission of the application by the candidate. In such cases the request of change of community from general to reserved may be considered by the Commission on merit.

The closing date fixed for the receipt of the application will be treated as the date for determining the OBC status (including that of creamy layer) of the candidates.

2(b). A candidate may apply for admission to the examination in respect of any one or both the categories, mentioned in Para 2(a) above. Once an application has been made, no change will be allowed.

If a candidate wishes to be admitted for both the categories, he/she need send in only one application. He/She will be required to pay the fee mentioned in para 4 below once only and will not be required to pay separate fee for each of the categories for which he/she applies.

A candidate may compete for any one or both the categories of Posts for which he/she is eligible in terms of Rules. A candidate who qualifies for both the categories of Posts on the result of written part of examination will be required to indicate clearly in the Detailed Application Form the categories of Posts for which he/she wishes to be considered in the order of preference so that having regard to his/her rank in order of merit, due consideration can be given to his/her preference when making appointment.

N.B. (i): No request for addition/alteration in the preferences indicated by a candidate in his/her detailed application form will be entertained by the Commission.

N.B. (ii) The candidates competing for both the categories of the Posts will be allotted to Posts strictly in accordance with their merit position, preference exercised by them and number of vacancies.

3. ELIGIBILITY CONDITIONS :

(I) Nationality

A candidate must be either :

- a Citizen of India, or
- a subject of Nepal, or
- a subject of Bhutan, or
- a Tibetan refugee who came over to India before the 1st January, 1962 with the intention of permanently settling in India. or
- a person of Indian origin who has migrated from Pakistan, Burma, Sri Lanka or East African Countries of Kenya, Uganda, the United Republic of Tanzania, Zambia, Malawi, Zaire and Ethiopia or from Vietnam with the intention of permanently settling in India.

Provided that a candidate belonging to categories (b), (c), (d) and (e) above shall be a person in whose favour a certificate of eligibility has been issued by the Government of India.

A candidate in whose case a certificate of eligibility is necessary, may be admitted to the examination but the offer of appointment may be given only after the necessary eligibility certificate has been issued to him/her by the Government of India.

(II) Age Limits : A candidate for this examination must have attained the age criteria as prescribed below:-

(a) (i) **For Geologist [Group A] and Assistant Geologist Gr. I [Gr.B] in the Geological Survey of India, Ministry of Mines:-** Must have attained the age of 21 years and must not have attained the age of 32 years on 1st August, 2012 i.e. he/ she must have been born not earlier than 2nd August 1980 and not later than 1st August 1991.

(ii) **For Jr. Hydrogeologist (Scientist B) (Group A) in Central Ground Water Board, Ministry of Water Resources:-** Must have attained the age of 21 years and must not have attained the age of 35 years on 1st August, 2012 i.e. he/she must have been born not earlier than 2nd August, 1977 and not later than 1st August, 1991.

(iii) **For Asstt. Hydrogeologist (Group B) in Central Ground Water Board, Ministry of Water Resources:-**

Continued

of Water Resources:- Must have attained the age of 21 years and must not have attained the age of 30 years on 1st August, 2012 i.e. he/she must have been born not earlier than 2nd August, 1982 and not later than 1st August, 1991.

NB: Candidates should ensure that they meet the age eligibility criteria for each post mentioned above for which they are applying.

(b) The upper age limit will be relaxable upto a maximum of 7 years in the case of Government servants, if they are employed in a Department mentioned in Column I below and apply for the corresponding post mentioned in column II.

Column I	Column II
Geological Survey of India	(1) Geologist Group "A" (2) Assistant Geologist Grade-I Group 'B'
Central Ground Water Board	(1) Jr. Hydrogeologists (Scientist "B"), Group "A" (2) Assistant Hydrogeologists Group "B"

(c) The upper age limit prescribed above will be further relaxable as follows :

(i) Upto a maximum of five years if a candidate belongs to a Scheduled Caste or a Scheduled Tribe.

(ii) Upto a maximum of three years in the case of candidate belonging to Other Backward Classes who are eligible to avail of reservation applicable to such candidates.

(iii) Upto a maximum of five years if a candidate had ordinarily been domiciled in the State of Jammu & Kashmir during the period from the 1st January, 1980 to the 31st day of December, 1989.

(iv) Upto a maximum of three years in the case of Defence Services Personnel disabled in operations during hostilities with any foreign country or in a disturbed area and released as a consequence thereof.

(v) Upto a maximum of five years in the case of Ex-Servicemen including Commissioned Officers and ECOs/SSCOs who have rendered at least five years Military Service as on 1st August, 2012 and have been released (i) on completion of assignment (including those whose assignment is due to be completed within one year from 1st August, 2012) otherwise than by way of dismissal or discharge on account of misconduct or inefficiency, or (ii) on account of physical disability attributable to Military Service or (iii) on invalidment.

(vi) Upto a maximum of 5 years in the case of ECOs/SSCOs who have completed an initial period of assignment of 5 years Military Service as on 1st August, 2012 and whose assignment has been extended beyond 5 years and in whose case the Ministry of Defence issue a certificate that they can apply for civil employment and that they will be released on 3 month's notice on selection from the date of receipt of offer of appointment.

(vii) Upto a maximum of 10 years in the case of blind, deaf-mute and Orthopaedically handicapped persons.

NOTE I- Candidates belonging to the Scheduled Castes and the Scheduled Tribes and the Other Backward Classes who are also covered under any other clauses of Para 3(II)(c) above, viz. those coming under the category of Ex-Servicemen, persons domiciled in the State of J & K, physically handicapped etc. will be eligible for grant of cumulative age-relaxation under both the categories.

NOTE II- The term Ex-Servicemen will apply to the persons who are defined as Ex-Servicemen in the Ex-servicemen (Re-employment in Civil Service and Posts) Rules, 1979, as amended from time to time.

NOTE III- The age concession under Para 3(II)(c)(v) and (vi) will not be admissible to

Ex-servicemen and Commissioned Officers including ECOs/SSCOs, who are released on their own request.

NOTE IV- Notwithstanding the provision of age-relaxation under para 3(II)(c)(vii) above, a physically handicapped candidate will be considered to be eligible for appointment only if he/she (after such physical examination as the Government or appointing authority, as the case may be, may prescribe) is found to satisfy the requirements of physical and medical standards for the concerned Services/ posts to be allocated to the physically handicapped candidates by the Government.

Save as provided above the age limits prescribed can in no case be relaxed.

The date of birth accepted by the Commission is that entered in the Matriculation or Secondary School Leaving Certificate or in a certificate recognised by an Indian University as equivalent to Matriculation or in an extract from a Register of Matriculates maintained by a University which must be certified by the proper authority of the University or in the Higher Secondary or an equivalent examination certificate. These certificates are required to be submitted only after the declaration of the result of the written part of the examination.

No other document relating to age like horoscopes, affidavits, birth extracts from Municipal Corporation, service records and the like will be accepted. The expression Matriculation/Higher Secondary Examination Certificate in this part of the instruction includes the alternative certificate mentioned above.

NOTE I- Candidates should note that only the Date of Birth as recorded in the Matriculation/Higher Secondary Examination Certificate or an equivalent certificate as on the date of submission of applications will be accepted by the Commission and no subsequent request for its change will be considered or granted.

NOTE II- Candidates should also note that once a Date of Birth has been claimed by them and entered in the records of the Commission for the purpose of admission to an Examination, no change will be allowed subsequently (or at any other Examination of the Commission) on any ground whatsoever.

NOTE III - The candidates should exercise due care while entering their date of birth in online application form for the Examination. If on verification at any subsequent stage, any variation is found in their date of birth from the one entered in their matriculation or equivalent Examination certificate, disciplinary action will be taken against them by the Commission under the Rules.

N.B. - (i) The candidature of a person who is admitted to the examination under the age concession mentioned in para 3(II)(b) above, shall be cancelled, if after submitting his/her application, he/she resigns from service or his/her services are terminated by his/her department/ office, either before or after taking the examination. He/she will, however, continue to be eligible if he/she is retrenched from the service or post after submitting the application.

(ii) A candidate who, after submitting his/her application to his/her department is transferred to other department/office will be eligible to compete under departmental age concession for the post(s), for which he/she would have been eligible, but for his/her transfer, provided his/her application, duly recommended, has been forwarded by his/her parent Department.

(iii) Minimum Educational Qualification (i) For Geologists Gr 'A' and Assistant Geologist Grade-I Group 'B' in Geological Survey of India

(a) Master's degree in Geological Science or Geology or Applied Geology or Geo-Exploration or Mineral Exploration or Engineering Geology or Marine Geology or Earth Science and Resource Management or Oceanography and

Coastal Areas Studies or Petroleum Geosciences or Geochemistry from a University incorporated by an Act of the Central or State Legislature in India or an educational institution established by an Act of Parliament or declared to be deemed university under section 3 of the University Grants Commission Act, 1956 (3 of 1956)

Note : Master's degree in respective discipline means the post graduate degree or post graduate diploma of minimum two years duration after graduation from aforesaid University or Institute in the respective discipline, whether be it an integrated course or otherwise.

(b) Candidates who have appeared at the final examinations of the minimum educational qualification specified in clause (a) of this paragraph, passing of which shall render them eligible to appear at the relevant year Examination, but have not been informed of the result, may also apply for admission to the Examination and in such case his or her admission to the relevant year Examination shall be provisional and subject to obtaining minimum educational qualification specified in clause (a) of this paragraph.

(c) A candidate who is otherwise qualified but who possesses the Master's degree specified in clause (a) of this paragraph from a foreign University approved by the Government may also be admitted to the Examination by the Commission.

(ii) For Junior Hydrogeologists (Scientist B), Group 'A' and Assistant Hydrogeologists Group 'B' in Central Ground Water Board.

Master's degree in Geology or Applied Geology or Marine Geology from a University incorporated by an Act of the Central or State Legislature in India or other educational Institutes established by an act of Parliament or declared to be deemed as Universities under Section 3 of the University Grants Commission Act, 1956; or

(b) Master's degree in Hydrogeology from a recognised University.

Note : Candidate possessing common qualifications in (i) (a) & (ii) (a) can apply for both the categories.

NOTE I- A candidate who has appeared at an examination, the passing of which would render him/her educationally qualified for this examination but has not been informed of the result, may apply for admission to the examination. A candidate who intends to appear at such a qualifying examination may also apply. Such candidates will be admitted to the examination, if otherwise eligible but their admission would be deemed to be provisional and subject to cancellation if they do not produce proof of having passed the requisite qualifying examination along with the detailed application form which will be required to be submitted by the candidates who qualify on the result of the written part of the examination.

NOTE II- In exceptional cases the Commission may treat a candidate who does not possess any of the qualifications prescribed in this rule, as educationally qualified provided that he/she has passed examinations conducted by other institutions, the standard of which in the opinion of the Commission, justifies his/her admission to the examination.

NOTE III- A candidate who is otherwise eligible but who has taken a degree from a foreign University which is not recognised by Government may also apply to the Commission and may be admitted to the examination at the discretion of the Commission.

(IV) PHYSICAL STANDARDS :

Candidates must be physically fit according to physical standards for admission to Geologists' Examination, 2012 as per Regulations given in **Appendix-II** of the rules for the Geologists' Examination, 2012 published in Gazette of India dated 15th September, 2012.

4. FEE :

Candidates (excepting Female/SC/ST/ PH who are exempted from payment of fee) are required to pay a fee of **Rs. 200/- (Rupees Two Hundred Only)** either by depositing the money in any Branch of SBI by cash, or by using net banking facility of SBI, State Bank of Bikaner & Jaipur/ State Bank of Hyderabad/State Bank of Mysore/ State Bank of Patiala/State Bank of Travancore or by using Visa/Master Credit/ Debit Card.

Note : 1. Candidates should note that payment of examination fee can be made only through the modes prescribed above. Payment of fee through any other mode is neither valid nor acceptable. Applications submitted without the prescribed fee/mode (unless remission of fee is claimed) shall be summarily rejected.

Note : 2. Fee once paid shall not be refunded under any circumstances nor can the fee be held in reserve for any other examination or selection.

Note : 3. For the applicants in whose case payments details have not been received from the bank, they will be treated as fictitious payment cases and their applications will be rejected in the first instance. A list of all such applicants shall be made available on the Commission website within two weeks after the last day of submission of online application. The applicants shall be required to submit the proof of their fee payment within 10 days from the date of such communication either by hand or by speed post to the Commission. On receipt of documentary proof, genuine fee payment cases will be considered and their applications will be revived, if they are otherwise eligible.

All Female Candidates and candidates belonging to Scheduled Castes/ Scheduled Tribes are not required to pay any fee. No fee exemption is, however, available to OBC candidates and they are required to pay the prescribed full fee.

Physically handicapped persons are exempted from the payment of fee provided they are otherwise eligible for appointment to the Posts to be filled on the results of this examination on the basis of the standards of medical fitness for these Posts (including any concessions specifically extended to the physically handicapped). A physically handicapped candidate claiming age relaxation/fee concession will be required by the Commission to submit along with their detailed application form, a certified copy of the certificate from a Government Hospital/Medical Board in support of his/her claim for being physically handicapped.

NOTE : Notwithstanding the aforesaid provision for age relaxation/fee exemption, a physically handicapped candidate will be considered to be eligible for appointment only if he/she (after such physical examination as the Government or the appointing authority, as the case may be, may prescribe) is found to satisfy the requirements of physical and medical standards for the concerned Services/ Posts to be allocated to Physically Handicapped candidates by the Government.

Note : Applications without the prescribed Fee (Unless remission of Fee is claimed) shall be summarily rejected.

5. How to Apply:

(a) Candidates are required to apply Online using the link **www.upsconline.nic.in** Detailed instructions for filling up Online Applications are available on the above mentioned website.

(b) The applicants are advised to submit only single application. However, if due to any unavoidable situation, he/she submits another/multiple applications, then he/she must ensure that application with the higher RID is complete in all respects like applicants details, examination centre, photograph, signature, fee etc. The applicants who are submitting multiple applications should note that only the

applications with higher RID (Registration ID) shall be entertained by the Commission and fee paid against one RID shall not be adjusted against any other RID.

(c) All candidates, whether already in Government Service, in Government owned industrial undertakings or other similar organisations or in private employment should submit their applications direct to the Commission. Persons already in Government service, whether in permanent or temporary capacity or as workcharged employees other than casual or daily rated employees or those serving under the Public Enterprises are, however, required to inform in writing their Head of Office/ Department that they have applied for the Examination. Candidates should note that in case a communication is received from their employer by the Commission withholding permission to the candidates applying for/appearing at the examination, their application will be liable to be rejected/candidature will be liable to be cancelled.

NOTE 1 : While filling in his online application form, the candidates should carefully decide about his/her choice for the centre for the examination.

If any candidate appears at a centre other than the one indicated by the Commission in the e-Admission Certificate, the papers of such a candidate will not be valued and his/her candidature will be liable to cancellation.

NOTE 2 : Incomplete or defective applications shall be summarily rejected. No representation or correspondence regarding such rejection shall be entertained under any circumstances.

(d) Candidates are not required to submit hard copy of their application to the commission at this stage. **The candidates applying for the examination should ensure that they fulfil all the eligibility conditions for admission to the Examination. Their admission at all the stages of examination for which they are admitted by the Commission viz. Written Examination and Interview Test will be purely provisional, subject to their satisfying the prescribed eligibility conditions. If on verification at any time before or after the written Examination or Interview Test, it is found that they do not fulfil any of the eligibility conditions, their candidature for the examination will be cancelled by the Commission.**

Candidates are requested to keep ready the attested copies of the following documents for submission to the Commission soon after the declaration of the result of the written part of the examination which is likely to be declared in the month of May/June, 2013.

1. Certificate of Age.
2. Certificate of Educational Qualification.
3. Certificate in support of claim to belong to Scheduled Caste, Scheduled Tribe and Other Backward Classes where applicable.
4. Certificate in support of claim for age/fee concession, wherever applicable.
5. Certificate in support of being physically handicapped (wherever applicable).

Immediately after the declaration of the result of the written part of the examination successful candidates will be intimated by the Commission electronically and they shall be asked to submit Detailed Application Form (DAF) online. The successful candidates have to send the printout of this DAF with each page duly signed along with the attested copies of the above mentioned certificates to the Commission at that time. Originals will have to be produced at the time of interview. The interview letter to the candidates may also be issued electronically.

If any of their claims is found to be incorrect, they may render themselves liable to disciplinary action by the Commission in terms of Rule 12 of the

Rules for the Geologists Examination, 2012 notified in the Gazette of India dated 15th September, 2012 and also reproduced below:

A candidate who is or has been declared by the Commission to be guilty of:

- (i) obtaining support for his/her candidature by any means, or
 - (ii) impersonating, or
 - (iii) procuring impersonation by any person, or
 - (iv) submitting fabricated documents or documents which have been tampered with, or
 - (v) making statements which are incorrect or false or suppressing material information, or
 - (vi) resorting to any other irregular or improper means in connection with his/her candidature for the examination, or
 - (vii) using unfair means during the examination, or
 - (viii) writing irrelevant matter, including obscene languages or pornographic matter, in the script(s), or
 - (ix) misbehaving in any other manner in the examination hall, or
 - (x) harassing or doing bodily harm to the Staff employed by the Commission for the conduct of their examination, or
 - (xi) being in possession of or using mobile phone, pager or any electronic equipment or device or any other equipment capable of being used as a communication device during the examination; or
 - (xii) violating any of the instructions issued to candidates along with their e-Admission Certificates permitting them to take the examination, or
 - (xiii) attempting to commit or as the case may be abetting the commission of all or any of the acts specified in the foregoing clauses, may in addition to rendering himself/herself liable to criminal prosecution is liable.
- (a) to be disqualified by the Commission from the examination for which he/she is a candidate and/or
- (b) to be debarred either permanently or for a specified period
- (i) by the Commission from any examination or selection held by them;
 - (ii) by the Central Government from any employment under them; and
 - (c) if he/she is already in service under Government to disciplinary action under the appropriate rules.
- Provided that no penalty under these rules shall be imposed except after.

(i) giving the candidate an opportunity of making such representation, in writing as he/she may wish to make in that behalf; and

(ii) taking the representation, if any, submitted by the candidate within the period allowed to him/her into consideration.

6. LAST DATE FOR SUBMISSION OF APPLICATIONS :

The Online Applications can be filled upto **15th October, 2012 till 11.59 PM** after which the link will be disabled.

7. CORRESPONDENCE WITH COMMISSION:

The Commission will not enter into any correspondence with the candidates about their candidature except in the following cases:

- (i) The eligible candidates shall be issued an e-Admission Certificate three weeks before the commencement of the examination. The e-Admission Certificate will be made available in the UPSC web-site [www.upsc.gov.in] for downloading by candidates. No Admission Certificate will be sent by post. For downloading the e-Admission Certificate/e-Admit Card the candidate must have his/her vital parameters like RID & Date of Birth or Roll No. (if

received) & date of birth or name, father's name & Date of Birth available with him/her. **If a candidate does not receive his/her e-admission certificate or any other communication regarding his/her candidature for the examination two weeks before the commencement of the examination, he/she should at once contact the Commission.** Information in this regard can also be obtained from the **Facilitation Center** located in the Commission's Office either in person or over phone Nos. 011-23381125/23385271/23098543. **In case no communication is received in the Commission's office from the candidate regarding non-receipt of his/her e-admission certificate at least 2 weeks before the examination, he/she himself/ herself will be solely responsible for non-receipt of his/her e-admission certificate.**

No candidate will ordinarily be allowed to take the examination unless he/she holds a e-admission certificate for the examination. On the receipt of e-Admission Certificate, check it carefully and bring discrepancies/errors, if any, to the notice of UPSC immediately.

The candidates should note that their admission to the examination will be purely provisional based on the information given by them in the application form. This will be subject to verification of all the eligibility conditions by the UPSC.

(ii) **The mere fact that an e-admission certificate to the Examination has been issued to a candidate, will not imply that the candidature has been finally cleared by the Commission or that entries made by the candidate in his/her application for the examination have been accepted by the Commission as true and correct. Candidates may note that the Commission takes up the verification of eligibility conditions of a candidate, with reference to original documents, only after the candidate has qualified for interview or Personality Test on the result of the Written Examination. Unless candidature is formally confirmed by the Commission, it continues to be provisional.** The decision of the Commission with regard to the acceptance of the application of a candidate and his/her eligibility or otherwise for admission to the Examination shall be final. Candidates should note that the name in the e-Admission Certificate in some cases, may be abbreviated due to technical reasons.

(iii) The candidates must ensure that their E-Mail IDs given in their Online Applications are valid and active as the Commission may use electronic mode of communication while contacting them at different stages of examination processes.

(iv) A candidate must see that communications sent to him/her at the address stated in his/her application are redirected, if necessary. Change in address should be communicated to the Commission at the earliest opportunity. Although the Commission make every effort to take account of such changes, they cannot accept any responsibility in the matter.

(v) In the event of a candidate downloading more than one admission certificate from the Commission's website he/she should use only one of these admission certificates for appearing in the examination and report about the other(s) to the Commission's Office.

(vi) If a candidate receives an e-admission certificate in respect of some other candidate from the Commission the same should be immediately brought to the notice of the Commission with a request to issue the correct e-Admission Certificate. Candidates may note that they will not be allowed to take the examination on the strength of an e-admission certificate issued in respect of another candidate.

Important : All communications to the

Commission should invariably contain the following particulars.

1. Name and year of examination.
2. Registration I.D. (RID) Number
3. Roll No. (if received)
4. Name of candidate in full and in Block Letters.
5. Complete Postal Address as given in the Application.
6. Valid and active E-mail I.D.

N.B. : (i) Communications not containing the above particulars may not be attended to.

N.B. (ii) If a letter/communication is received from a candidate after an examination has been held and it does not give his/her full name and Roll number, it will be ignored and no action will be taken thereon.

N.B. : (iii) Candidates are strongly advised to keep a printout or soft copy of their online application for future references.

8. For being considered against the vacancies reserved for them, the physically disabled person should have disability of Forty per cent (40%) or more. However, such candidates shall be required to meet one or more of the following physical requirements/abilities which may be necessary for performing the duties in the concerned Services/ Posts:-

CODE	PHYSICAL REQUIREMENTS
F	1. Work performed by manipulating (with Fingers)
PP	2. Work performed by pulling and pushing
L	3. Work performed by lifting
KC	4. Work performed by kneeling and crouching
B	5. Work performed by bending
S	6. Work performed by sitting (on bench or chair)
ST	7. Work performed by standing
W	8. Work performed by walking
SE	9. Work performed by seeing
H	10. Work performed by hearing/ speaking
RW	11. Work performed by reading and writing

The functional classification in their case shall be, one or more of the following, consistent with the requirements of the concerned Services/Posts:-

FUNCTIONAL CLASSIFICATION

CODE	FUNCTIONS
BL	1. both legs affected but not arms.
BA	2. both arms affected a. impaired reach. b. weakness of grip.
BLA	3. both legs and both arms affected
OL	4. one leg affected (R or L) a. impaired reach. b. weakness of grip. c. ataxic.
OA	5. one arm affected (R or L) a. impaired reach. b. weakness of grip. c. ataxic.
BH	6. stiff back and hips (cannot sit or stoop)
MW	7. muscular weakness and limited physical endurance
B	8. the blind
PB	9. partially blind
D	10. the deaf
PD	11. partially deaf

9. WITHDRAWAL OF APPLICATIONS :

No request for withdrawal of candidature received from a candidate after he/she has submitted his/her application will be entertained under any circumstances.

10. Details about the scheme of examination, standard and syllabi of the subjects etc. may be seen in Appendix-I of this Notice.

(S.M. SUNDARAM)
DEPUTY SECRETARY
UNION PUBLIC SERVICE COMMISSION

APPENDIX-I SCHEME OF EXAMINATION

1. The examination shall be conducted according to the following Plan :

Part I. - Written examination in the subjects as set out in para 2 below.

Part II. - Interview for personality Test of such candidates as may be called by the Commission, carrying a maximum of 200 marks.

2. The following will be the subjects for the written examination :

Subject	Duration	Maximum Marks
1	2	3
1) General English	3 hrs.	100
2) Geology Paper I	3 hrs.	200
3) Geology Paper II	3 hrs.	200
4) Geology Paper III,	3 hrs.	200
5) Hydrogeology	3 hrs.	200

Note:- Candidates competing for posts under both Category I and Category II will be required to offer all the five subjects mentioned above. Candidates competing for posts under Category I only will be required to offer subjects at (1) to (4) above and candidates competing for posts under Category II only will be required to offer subjects at (1) to (3) and (5) above.

3. THE EXAMINATION IN ALL THE SUBJECTS WILL BE OF CONVENTIONAL (ESSAY) TYPE.

4. All Question papers must be answered in English. The Question Papers will be set in English only.

5. The standard and syllabus of the examination will be as shown in the Schedule.

6. Candidates must write the papers in their own hand. In no circumstances will they be allowed the help of a scribe to write answers for them.

7. The Commission have discretion to fix qualifying marks in any or all the subjects of the examination.

8. If a candidate's handwriting is not easily legible, deduction will be made on this account from the total marks otherwise accruing to him/her.

9. Marks will not be allotted for mere superficial knowledge.

10. Credit will be given for orderly, effective and exact expression combined with due economy of words in all subjects of the examination.

11. In the question papers wherever necessary, questions involving the Metric System of Weights and Measures only will be set.

12. Candidates should use only International form of Indian numerals (e.g. 1, 2, 3, 4, 5, 6 etc) while answering question papers.

13. Candidates are permitted to bring and use battery operated pocket calculators for answering papers in this examination. Loaning or inter-changing of calculators in the Examination Hall is not permitted.

14. **Interview for Personality Test :** The candidate will be interviewed by a Board of competent and unbiased observers who will have before them a record of his/her career. The object of the interview is to assess his/her suitability for the posts for which he/she has competed. Special attention will be paid in the Personality Test to assessing the candidate's capacity for leadership, initiative and intellectual curiosity, tact and other social qualities, mental and physical energy, powers of practical application, integrity of character and aptitude for adapting themselves to the field life.

SCHEDULE STANDARD AND SYLLABUS

The standard of the paper in General English will be such as may be expected of a science graduate. The papers on geological subjects will be approximately of the M.Sc. degree standard of an Indian University and questions will generally be set to test the candidate's grasp of the fundamentals in each subject.

There will be no practical examination in any of the subjects.

(1) GENERAL ENGLISH

Candidate will be required to write a short Essay in English. Other questions will be designed to test their under standing of English and workmanlike use of words.

(2) GEOLOGY - PAPER I

Section A : Geomorphology and Remote Sensing.

Basic principles. Weathering and soils, Mass wasting. Influence of climate on processes. Concept of erosion cycles. Geomorphology of fluvial tracts, arid zones, coastal regions, 'Karst' landscapes and glaciated ranges. Geomorphic mapping, slope analysis and drainage basin analysis. Applications of geomorphology in mineral prospecting, civil engineering, hydrology and environmental studies. Topographical maps. Geomorphology of India.

Concepts and principles of aerial photography and photogrammetry, satellite remote sensing — data products and their interpretation. Digital image processing. Remote-sensing in landform and land use mapping, structural mapping, hydrogeological studies and mineral exploration. Global and Indian Space Missions. Geographic Information System (GIS) — principles and applications.

Section B : Structural Geology

Principles of geological mapping and map reading, projection diagrams. Stress-strain relationships of elastic, plastic and viscous materials. Measurement of strain in deformed rocks. Behaviour of minerals and rocks under deformation conditions. Structural analysis of folds, cleavages, lineations, joints and faults. Superposed deformation. Mechanism of folding and faulting. Time-relationship between crystallization and deformation. Unconformities and basement-cover relations. Structural behaviour of igneous rocks, diapirs and salt domes. Introduction to petrofabrics.

Section C : Geotectonics

Earth and the solar system, Meteorites and other extra-terrestrial materials, Planetary evolution of the earth and its internal structure. Heterogeneity of the earth's crust. Major tectonic features of the Oceanic and Continental crust. Continental drift — geological and geophysical evidence, mechanics, objections, present status. Gravity and magnetic anomalies at Mid-ocean ridges, deep sea trenches, continental shield areas and mountain chains. Palaeomagnetism. Seafloor spreading and Plate Tectonics. Island arcs, Oceanic islands and volcanic arcs. Isostasy, orogeny and epeirogeny. Seismic belts of the earth. Seismicity and plate movements. Geodynamics of the Indian plate.

Section D : Stratigraphy

Nomenclature and the modern stratigraphic code. Radioisotopes and measuring geological time. Geological time-scale. Stratigraphic procedures of correlation of unfossiliferous rocks. Precambrian stratigraphy of India. Stratigraphy of the Palaeozoic, Mesozoic and Cenozoic formations of India. Gondwana system and Gondwanaland. Rise of the Himalaya and evolution of Siwalik basin. Deccan Volcanics. Quaternary Stratigraphy. Rock record, palaeoclimates and palaeogeography.

Section E : Palaeontology

Fossil record and geological time-scale. Morphology and time-ranges of fossil groups. Evolutionary changes in molluscs and mammals in geological time. Principles of evolution. Use of species and genera of foraminifera and echinodermata in biostratigraphic correlation. Siwalik vertebrate fauna and Gondwana flora, evidence of life in Precambrian times, different microfossil groups and their distribution in India.

(3) GEOLOGY - PAPER II

Section A : Mineralogy

Physical, chemical and crystallographic characteristics of common rock forming silicate mineral groups. Structural classification of silicates. Common minerals of igneous and metamorphic rocks. Minerals of the carbonate, phosphate, sulphide and halide groups.

Optical properties of common rock forming silicate minerals, uniaxial and biaxial minerals. Extinction angles, pleochroism, birefringence of minerals and their relation with mineral composition. Twinned crystals. Dispersion. Application of universal stage (4 axes/5 axes) in determining optical properties.

Section B : Igneous and Metamorphic Petrology

Forms, textures and structures of igneous rocks. Silicate melt equilibria, binary and ternary phase diagrams. Petrology and geotectonic evolution of granites, basalts, andesites and alkaline rocks. Petrology of gabbros, kimberlites, anorthosites and carbonatites. Origin of primary basic magmas.

Textures and structures of metamorphic rocks. Regional and contact metamorphism of pelitic and impure calcareous rocks. Mineral assemblages equilibrium/Reaction textures and geo-thermo barometry. Experimental and thermodynamic appraisal of metamorphic reactions. Characteristics of different grades and facies of metamorphism. Metasomatism and granulitization, migmatites. Plate tectonics and metamorphic zones. Paired metamorphic belts.

Section C : Sedimentology

Provenance and diagenesis of sediments. Sedimentary textures. Framework matrix and cement of terrigenous sediments. Definition, measurement and interpretation of grain size. Elements of hydraulics. Primary structures, palaeocurrent analysis. Biogenic and chemical sedimentary structures. Sedimentary environment and facies. Facies modelling for marine, non-marine and mixed sediments. Tectonics and sedimentation. Classification and definition of sedimentary basins. Sedimentary basins of India. Cyclic sediments. Seismic and sequence stratigraphy. Purpose and scope of basin analysis. Structure contours and isopach maps.

Section D : Geochemistry

Earth in relation to the solar system and universe, cosmic abundance of elements. Composition of the planets and meteorites. Structure and composition of earth and distribution of elements. Trace elements. Elementary crystal chemistry and thermodynamics. Introduction to isotope geochemistry. Geochemistry of hydrosphere, biosphere and atmosphere. Geochemical cycle and principles of geochemical prospecting.

Section E : Environmental Geology

Concepts and principles. Natural hazards — preventive/precautionary measures — floods, landslides, earthquakes, river and coastal erosion. Impact assessment of anthropogenic activities such as urbanization, open cast mining and quarrying, river-valley projects, disposal of industrial and radio-active waste, excess withdrawal of ground water, use of fertilizers, dumping of ores, mine waste and fly-ash. Organic and inorganic contamination of ground water and their remedial measures. Soil degradation and remedial measures. Environment protection — legislative measures in India.

(4) GEOLOGY - PAPER III

Section A : Indian mineral deposits and mineral economics

Occurrence and distribution in India of metalliferous deposits — base metals, iron, manganese, aluminium, chromium, nickel, gold, silver, molybdenum. Indian deposits of non-metals — mica, asbestos, barytes, gypsum, graphite, apatite and beryl. Gemstones, refractory minerals, abrasives and minerals used in glass, fertilizer, paint, ceramic and cement industries. Building stones. Phosphorite deposits. Placer deposits, rare earth minerals.

Strategic, critical and essential minerals. India's status in mineral production. Changing patterns of mineral consumption. National Mineral Policy. Mineral Concession Rules. Marine mineral resources and Law of Sea.

Section B : Ore genesis

Ore deposits and ore minerals. Magmatic processes of mineralisation. Porphyry, skarn and hydrothermal mineralisation. Fluid inclusion studies. Mineralisation associated with — (i) ultramafic, mafic and acidic rocks, (ii) greenstone belts, (iii) komatiites, anorthosites and kimberlites and (iv) submarine volcanism. Magma-related mineralisation through geological time. Stratiform and stratabound ores. Ores and metamorphism — cause and effect relations.

Section C : Mineral exploration

Methods of surface and subsurface exploration, prospecting for economic minerals — drilling, sampling and assaying. Geophysical techniques — gravity, electrical, magnetic, airborne and seismic. Geomorphological and remote sensing techniques. Geobotanical and geochemical methods. Borehole logging and surveys for deviation.

Section D : Geology of fuels

Definition, origin of coal. Stratigraphy of coal measures. Fundamentals of coal petrology, peat, lignite, bituminous and anthracite coal. Microscopic constituents

of coal. Industrial application of coal petrology. Indian coal deposits. Diagenesis of organic materials.

Origin, migration and entrapment of natural hydrocarbons. Characters of source and reservoir rocks. Structural, stratigraphic and mixed traps. Techniques of exploration. Geographical and geological distributions of onshore and offshore petroliferous basins of India.

Mineralogy and geochemistry of radioactive minerals. Instrumental techniques of detection and measurement of radioactivity. Radioactive methods for prospecting and assaying of mineral deposits. Distribution of radioactive minerals in India. Radioactive methods in petroleum exploration — well logging techniques. Nuclear waste disposal — geological constraints.

Section E : Engineering Geology

Mechanical properties of rocks and soils. Geological investigations for river valley projects — Dams and reservoirs; tunnels — types, methods and problems. Bridges — types and foundation problems. Shoreline engineering. Landslides — classification, causes, prevention and rehabilitation. Concrete aggregates — sources, alkali-aggregate reaction. Aseismic designing — seismicity in India and earthquake-resistant structures. Problems of groundwater in engineering projects. Geotechnical case studies of major projects in India.

(5) HYDROGEOLOGY

Section A: Origin, occurrence and distribution of water

Origin of water: meteoric, juvenile, magmatic and sea waters, Hydrologic cycle: precipitation, runoff, infiltration and evapotranspiration, Hydrographs. Subsurface movement and vertical distribution of groundwater, Springs, Classification of aquifers, Concepts of drainage basin and groundwater basin. hydrological properties of rocks — specific yield, specific retention, porosity, hydraulic conductivity, transmissivity, storage coefficient, water table fluctuations — causative factors, concept of barometric and tidal efficiencies, water table contour maps, Classification of rocks with respect to their water bearing characteristics, Hydro-stratigraphic units, Groundwater provinces of India, Hydrogeology of and Zones of India, wet lands.

Section B: Well hydraulics and well design

Theory of groundwater flow, Darcy's Law and its applications, determination of permeability in laboratory and in field, Types of wells, drilling methods, construction, design, development and maintenance of wells, specific capacity and its determination. Unconfined, confined, steady, unsteady and radial flow conditions, Pumps tests — methods, data analysis and interpretation for hydrogeologic boundaries, Evaluation of aquifer parameters using Thiem, Theis, Jacob and Walton methods, Groundwater modeling — numerical and electrical models.

Section C: Groundwater chemistry

Groundwater quality — physical and chemical properties of water, quality criteria for different uses, graphical presentation of water quality data, groundwater quality in different provinces of India — problems of arsenic and fluoride, Saline water intrusion in coastal and other aquifers and its prevention, Radioisotopes in hydrogeological studies, Groundwater contamination.

Section D: Groundwater exploration

Geological — lithological and structural mapping, fracture trace analysis, Hydrogeological — lithological classification with respect of hydrologic properties, Hydraulic continuity in relation to geologic structures, Location of springs Remote sensing — hydrogeomorphic mapping of the terrain using different images of different satellite missions, lineament mapping, shallow groundwater potential zone mapping using satellite images, Surface geophysical methods — seismic, gravity, geo-electrical and magnetic, Subsurface geophysical methods — well logging for delineation of aquifers and estimation of water quality.

Section E: Groundwater problems and management.

Groundwater problems related to foundation work, mining, canals and tunnels, Problems of over exploitation and groundwater mining. Groundwater development in urban areas and rain water harvesting, Artificial recharge methods, Groundwater problems in arid regions and remediation. Groundwater balance and methods of estimation. Groundwater legislation. Sustainability criteria and managing renewable and nonrenewable groundwater resources.

APPENDIX-II

INSTRUCTIONS TO THE CANDIDATES FOR FILLING ONLINE APPLICATIONS

Candidates are required to apply Online using the website www.upsconline.nic.in.

Salient features of the system of Online Application Form are given hereunder:

- Detailed instructions for filling up Online applications are available on the above mentioned website.
- Candidates will be required to complete the Online Application Form containing two stages viz. Part-I and Part-II as per the instructions available in the above mentioned site through drop down menus.
- The candidates are required to pay a fee of Rs.200/- (Rupees Two Hundred only) [excepting SC/ST/PH/Female candidates who are exempted from payment of fee] either by depositing the money in any branch of SBI by cash, or by using net banking facility of State Bank of India/ State Bank of Bikaner & Jaipur/State Bank of Hyderabad/State Bank of Mysore/ State Bank of Patiala/State Bank of Travancore or by using any Visa/Master Credit/Debit Card.
- Before start filling up of Online Application, a candidate must have his/her photograph and signature duly scanned in the .jpg format in such a manner that each file should not exceed 40 KB and must not be less than 3 KB in size for the photograph and 1 KB for the signature.
- The Online applications(Part I and II) can be filled from **15th September, 2012 to 15th October, 2012 till 11.59 p.m.**, after which link will be disabled.
- Applicants should avoid submitting multiple applications. However, if due to any unavoidable circumstances, any applicant submits multiple applications then he/she must ensure that the applications with higher RID is complete in all respects.
- In case of multiple applications, the applications with higher RID shall be entertained by the Commission and fee paid against one RID shall not be adjusted against any other RID.
- The applicants must ensure that while filling their Application Form, they are providing their valid and active E-Mail IDs as the Commission may use electronic mode of communication while contacting them at different stages of examination process.
- The applicants are advised to check their emails at regular intervals and ensure that the email address ending with @nic.in are directed to their inbox folder and not to the SPAM folder or any other folder.
- **Candidates are strongly advised to apply online well in time without waiting for the last date for submission of Online Applications.**

APPENDIX III

SPECIAL INSTRUCTIONS FOR CONVENTIONAL TYPE PAPERS

1. Articles permitted inside Examination Hall

Battery-operated pocket calculators of "non-programmable" type only, mathematical/engineering/drawing instruments, including a flat rule divided on the edges into inches and tens of an inch and into centimeters and millimeters, a slide rule, set squares, a protractor and a pair of compasses, pencils, coloured pencils, mapping pens, eraser, T-square and drawing board for use wherever necessary. Candidates are not allowed to bring with them any "Tables or Charts" for use in the Examination Hall.

Mobile phones, pagers or any other communication devices are not allowed inside the premises where the examination is being conducted. Any infringement of these instructions shall entail disciplinary action including ban from future examinations.

Candidates are advised in their own interest not to bring any of the banned items including mobile phones/pagers to the venue of the examination, as arrangements for safekeeping cannot be assured.

2. Tables to be supplied by UPSC

If it is considered necessary for answering the questions set in any paper, the Commission may supply any of the following for reference purpose only:-

- (i) Mathematical/Physical, Chemical and Engineering Tables (including Logarithmic Tables);
- (ii) Steam Table (including Mollier Diagrams for Temperature up to 800°C and Pressure up to 500 Kgf/Cm);
- (iii) National Building Code of India 1970 or 1983 Group 2 Part VI;
- (iv) Any other special articles as may be necessary for the candidates to answer the questions set in the question paper.

After conclusion of the examination, return the above items to the Invigilator.

3. Answers to be written in own hand

Write the answers in your own hand in ink. Pencil may be used for maps, mathematical drawings or rough work.

4. Check Answer Book

The candidate must write his/her roll number (and not his/her name) only in the

space provided for the purpose on every answer book used by him/her. Before writing in the answer book, please see that it is complete. In case there are any missing pages, it should be got replaced.

Do not tear out any pages from the Answer Book. If you use more than one Answer Book, indicate on the cover of first Answer Book the total number of Answer Books used. Do not leave any blank, unused spaces between answers. If such spaces are left, score them out.

5. Answers in excess of prescribed number will be ignored

The candidate must attempt questions strictly in accordance with the directions given on each question paper. If questions are attempted in excess of the prescribed number only the questions attempted first upto the prescribed number shall be valued and the remaining answers will be ignored.

6. Questions relating to graph/precis should be attempted only on graph/precis sheets to be supplied on demand by the Invigilators. All loose sheets such as precis sheet, drawing papers, graph sheets etc. whether used or not, should be placed inside the answer books and fastened along with the additional answer book(s), if any. Candidates who fail to observe this instruction will be penalized. Do not write your roll number on these sheets.

7. Unfair means strictly prohibited

Do not copy from the papers of any other candidate nor allow your papers to be copied nor give nor attempt to give nor obtain nor attempt to obtain irregular assistance of any description. It will be responsibility to every candidate to ensure that his/her answers are not copied by another candidate. Failure to do so will invite penalty, as may be awarded by the Commission for adoption of unfair means.

8. Conduct in Examination Hall

Do not misbehave in any manner or create disorderly scene in the examination hall or harass or bodily harm the staff deployed for the conduct of examination. You will be severely penalized if you attempt to do so.

9. Please read carefully and abide by the instructions printed on the Question Paper and on the Answer Book supplied in the Examination Hall.

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