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UNION PUBLIC SERVICE COMMISSION
 RECRUITMENT BRANCH
 SPECIAL CELL-I SECTION

Subject: Combined Computer Based Recruitment Test for:

- (i) 06 Posts of Junior Works Manager (Chemical) in Ordnance Factory Board, Department of Defence Production, Ministry of Defence. [Advt. No. 12/2016 dated 09.07.2016, Vacancy No. 16071203609, Item No. 3]
- (ii) 05 Posts of Senior Scientific Assistant (Chemical) in Directorate General of Aeronautical Quality Assurance, Department of Defence Production, Ministry of Defence. [Advt. No. 12/2016 dated 09.07.2016, Vacancy No. 16071211609, Item No. 11]
- (iii) 01 Post of Additional Assistant Director (Safety) (Chemical) in Directorate General of Factory Advice Service and Labour Institute, Ministry of Labour and Employment. [Advt. No. 12/2016 dated 09.07.2016, Vacancy No. 16071217609, Item No. 17]
- (iv) 01 Post of Senior Scientific Officer Grade-II (Chemical) in Directorate General of Aeronautical Quality Assurance, Department of Defence Production, Ministry of Defence. [Advt. No. 14/2016 dated 13.08.2016, Vacancy No. 16081407613, Item No. 7]
- (v) 02 Posts of Assistant Engineer (NOA) (Chemical Engineering) in Directorate General of Quality Assurance, Department of Defence Production, Ministry of Defence. [Advt. No. 14/2016 dated 13.08.2016, Vacancy No. 16081410613, Item No. 10]
- (vi) 02 Posts of Foreman (Chemical) in Directorate General of Aeronautical Quality Assurance, Department of Defence Production, Ministry of Defence. [Advt. No. 16/2016 dated 10.09.2016, Vacancy No. 16091603610, Item No. 3]

TIME TABLE

DATE & DAY INDIAN STANDARD TIME		SUBJECT & SUBJECT CODE
16.07.2017 from 09.30 A.M to 11.30 A.M.(Sunday) Combined Computer Based Recruitment Test for the above mentioned posts		CHEMICAL ENGINEERING (01)
Activity Description	Time	
Candidates reporting at the Centre venue	08.00 A.M	
Authenticating the ADMIT CARD and registering the candidates	08.00 A.M onwards	
Candidates will be allowed inside the Lab from	08.00 A.M onwards	
Candidates Entry closes at Main ENTRANCE	08.45 A.M	
PASSWORD Announcement	09.20 A.M	
Candidates will open the secure browser & read instructions	09.20 A.M. to 09.30 A.M.	
TEST START TIME	09.30 A.M.	
TEST END TIME	11.30 A.M.	
Candidates to move out in an orderly manner	11.30 A.M to 11.45 A.M.	

Candidates' Entry Instructions

- Candidates must queue outside the entry gate and enter in an orderly manner.
- While entering, the candidates must show their Admit Cards to the security at the Main Gate.
- Candidates are allowed to enter the Test Venues and registration would start from 08.00 A.M. onwards.
- Entry to Computer Labs starts at 08.00 A.M.
- Candidate's entry shall NOT be allowed into the test venue after 08.45 A.M, under any circumstances.
- The candidates registration closes at 09.00 A.M.

I. Scheme of the Test:

- (a) The test will be of two hours duration and will carry a maximum of 300 marks.
- (b) The test will be objective type questions with multiple choices of answers.
- (c) The medium of the test will be English only.
- (d) 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.
- (e) All Questions will carry equal marks.

II. Syllabus of the Test:

It comprises the following broad areas:

1. Fundamentals of Science
2. Periodical Classification of Elements, Non-Metals
3. Chemical Bonding
4. Structure & Properties of Solids
5. Carbon & Carbon Compounds
6. Chemical Process Industries
7. Petroleum Refining Engineering
8. Heat & Mass Transfer
9. Process Control & Instrumentation
10. Chemical Engineering Thermodynamics
11. Chemical Reaction Engineering
12. Fuels & Combustion
13. Materials of Construction
14. Process Equipment Design
15. Nuclear Power Engineering
16. Furnace Technology
17. Polymers & Corrosion

IMPORTANT NOTES:

- (A) The candidate must take the test at the test venue indicated in the e-admit card only. If the candidate appears at any other test venue, his/her candidature is liable to be cancelled.
- (b) Shortlisted candidates would be asked to submit the documents in support of their claim for the posts. Their documents will be scrutinized and those candidates who fulfil 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'.

Sd/-
UNDER SECRETARY (SPC)
UNION PUBLIC SERVICE COMMISSION

INSTRUCTIONS TO CANDIDATES

PLEASE READ CAREFULLY THE FOLLOWING INSTRUCTIONS. VIOLATIONS 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 RECRUITMENT TEST HALL FOR REFERENCE).***

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 on page No. 2 of e-Admit Card. He/she must bring his/her e-Admit Card to the Examination 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 alongwith original photo identity proof such as Aadhar Card, Driving Licence, Passport, Voter ID etc.
2. 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.
3. The candidate should note that the name in the e-Admit Card might have been abbreviated due to technical reasons. No correspondence in this regard will be entertained by the Commission.
4. The candidate must bring the Printout of e-Admit Card to the Examination Hall.
5. **The candidates are required to register themselves on Biometric System to capture their Biometric Data for attendance before commencement of the test; therefore, they are advised not to apply any external matters like Mehendi, Ink etc. on their Hands/Feet.**
6. After registration, the candidate would be allocated Lab Number and Computer Number.

DEMO

In order to familiarize themselves with Computer Based Test, the candidates are advised to go through the demo of the Computer Based Test which will be made available on the UPSC website www.upsc.gov.in.

TEST LAB RULES

- No candidate will be allowed to leave the Test Lab during the Test.
- No candidate is allowed to leave his/her seat without permission of the invigilator.

ITEMS ALLOWED AND NOT ALLOWED

- The candidates are advised to bring their own pencil and pen containing blue or black ink.
- ELECTRONIC OR ANY OTHER TYPE OF CALCULATORS, LOG TABLES, SLIDE RULES, CELLULAR/MOBILE PHONES/BLEETOOTH 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 WHICH MAY INCLUDE BAN FROM FUTURE TEST.
- Candidates are advised not to bring any valuables/costly items to the Test Lab, as safe keeping of the same cannot be assured. The Commission will not be responsible for any loss in this regard.

INSTRUCTIONS DURING THE TEST

- Duration of the Test is 120 minutes i.e. 2 hours.
- Candidates of certain categories of disabilities like candidates with Locomotor disability and Cerebral Palsy (LDPC) where dominant (writing) extremity is affected to the extent of slowing the performance of function (minimum of 40% impairment) candidates appearing in the CBRT of 2 hours duration shall be allowed compensatory time @20 minutes/hour i.e. Total 40 minutes, apart from allowing the help of scribe, wherever opted for in Online Recruitment Application (ORA) Form.
- Password will be announced at 09.20 A.M. Candidates will open the secure browser & read instructions from 09.20 A.M to 09.30 A.M. However, candidate will not be allowed to start their Test before 09.30 A.M. even if they read instructions before 09.30 A.M. as the time is synchronized with Server. Candidates will have to enter their roll number as user ID and password announced by the invigilator in the Test log-in page.
- Rough worksheets will be provided to the candidates on demand.
- In the event of the Test being disrupted, the candidate should immediately inform the invigilator. The invigilator will help the candidate to re-login to the test. This will start the exam from where it had stopped.
- Numbered list of all questions will appear at the right side of the screen.
- Keep a close watch on "Time Left" while appearing for the test.
- Question once attempted, it would be final. However, answer can be changed at any time during the Test before final submission including un-attempting the question using 'Clear Response' button.

- 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.
- You will be automatically stopped from answering questions when the time of test is over and the test will auto-submit.
- Candidates should not carry any books, paper, mobile phone or any other electronic item to the test venue. UPSC will not be responsible for the safekeeping of such item.
- Impersonation (to assume the identity of another with intent to deceive) is forbidden.
- Candidates must not, on any pretext whatsoever speak to or have any communication with any other Candidates; such communication will be regarded as a breach of the Test regulations.
- Candidates in the Test venue, who is found to have unauthorized materials in his/her possession, shall be deemed to have indulged in breach of the test regulations. Any breach of test regulations shall be considered to constitute unfair practice. In case any candidate is found to be indulging in unfair practice, he/she will be liable to be debarred from this and future Tests/Exams of UPSC and/or disciplinary action.
- At the conclusion of the test, candidates must remain quietly seated and must not communicate with one another.
- No candidate shall be permitted to leave Test Lab till expiry of the allotted time.
- No candidate shall be allowed to go to the toilet during the last 30 minutes of the Test.
- The candidate must abide by the instructions 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.
- The candidate will furnish such necessary and correct information as may be required from him/her in the Test Lab by the Invigilator/Assistant Supervisor/Supervisor/other persons so authorized.

GENERAL

- **The candidate must note that his/her admission to the Test is strictly "Provisional".**
- 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.
- The candidate must note that the Commission take 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".
- 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.
- Travelling and other expenses must be borne by the candidate himself/ herself.
- The Commission does not make arrangements for boarding and lodging of any candidate.

IMPORTANT INSTRUCTIONS FOR PH CANDIDATES:

- (i) Of the six posts of Junior Works Manager (Chemical) in Ordnance Factory Board, Department of Defence Production, Ministry of Defence, one post is reserved for Physically Challenged Persons with disability viz. Orthopaedically Handicapped/Locomotor Disability/Cerebral Palsy with One Arm Affected (Right or Left) (OA). The posts are suitable for Physically Challenged Persons with disability viz. Orthopaedically Handicapped/Locomotor Disability/Cerebral Palsy with One Arm Affected (Right or Left) (OA).
- (ii) Of the two posts of Assistant Engineer (NQA) (Chemical Engineering) in Directorate General of Quality Assurance, Department of Defence Production, Ministry of Defence: The posts are suitable for Physically Challenged Persons with disability viz. Orthopaedically Handicapped/Locomotor Disability/Cerebral Palsy with One Leg Affected (Right or Left) (OL) or One Arm Affected (Right or Left) (OA) OR Hearing Impairment {Partially Deaf (PD)}

At this stage, candidates are being admitted to the Combined Computer based Recruitment Test based on the data furnished by the candidates in the Online Recruitment Application (ORA) system. 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 No. 12/2016, Item No. 3 published on 09.07.2016 and Advertisement No. 14/2016, Item No. 10 published on 13.08.2016 respectively. The candidates must note that if subsequent to the issue of e-Admit Card, ineligibility is detected at any stage, the candidature would be rejected.

**Mobile Phones/Bluetooth devices and such IT Gadgets are banned in
the test venue**
