



The Brihan Mumbai Electric Supply & Transport Undertaking

(OF THE BRIHAN MUMBAI MAHANAGARPALIKA)

ONLINE EXAMINATION FOR RECRUITMENT OF PROBATIONARY ENGINEER (ELECTRICAL ENGINEERING GRADUATES)

INFORMATION HANDOUT

This handout contains details pertaining to various aspects of the online main exam you are going to undertake and important instructions about related matters. You are advised to study the handout carefully as it will help you in preparing for the examination.

The online examination will comprise the following descriptive and objective type multiple choice tests as stated below :

Structure of the Test

Section	Name of the Test	No. of Questions.	Max. Marks	Version	Duration
A	Technical Knowledge	75	150	English	75 Minutes
B	1.Logical Reasoning 2.Data Interpretation 3.Reading Comprehension & General English	25	50		45 Minutes
C	Marathi	20	20	Marathi	30 Minutes
	Grand Total	120	220		150 Minutes

The time for the exam is 150 minutes; however you may have to be at the venue for approximately 210 minutes including the time required for logging in, collection of the Call Letter, going through the instructions etc. All questions will be provided in English Language. Tests are separately timed. You can attempt any question in a particular test during the time allotted to that test only. All the questions will have multiple choices. Out of the five answers to a question only one will be the correct answer. **You have to select the most appropriate answer and 'mouse click' that alternative which you feel is appropriate/correct. The alternative/ option that you have clicked on will be treated as your answer to that question. There will be no penalty for wrong answers marked by you. However, you are advised not to mark your answers by random guessing.**

The Scores of Online Examination will be obtained by adopting the following procedure :

- (i) Number of questions answered correctly by a candidate in each objective test is considered for arriving at the Corrected Score.
- (ii) Testwise scores and scores on total is reported with decimal points upto two digits.

Note : Cutoffs may be applied in two stages :

- (i) On scores in individual tests
- (ii) On Total Score

Please note that the types of questions in this handout are only illustrative and not exhaustive. In the actual examination you will find questions of a higher difficulty level on some or all of these types and also questions on the types not mentioned here.

Some sample questions are given below.

SAMPLE QUESTIONS TECHNICAL KNOWLEDGE

Questions in this test will be based on the area of specialization.

LOGICAL REASONING

This is a test to see how well you can think and also to judge your aptitude/knowledge for working with computer. It contains questions of various kinds. Here are some sample questions.

Directions : In each of the following questions, there are five letter groups or words in each question. Four of these letter groups or words are alike in some way, while one is different. Find the one which is different.

Q.1. (1) black (2) red (3) green (4) paint (5) yellow
Q.2. (1) BC (2) MN (3) PQ (4) XZ (5) ST
Q.3. (1) Mango (2) Apple (3) Orange (4) Guava (5) Rose

Directions : In each of the following questions, there is a question mark in which only one of the five alternatives given under the question satisfies the same relationship as is found between the two terms to the left of the sign :: given in the question. Find the correct answer.

Q.4. Foot : man :: hoof : ?
 (1) leg (2) dog (3) horse (4) boy (5) shoe
Q.5. Day : Night :: Kind : ?
 (1) Dark (2) Bright (3) Cruel (4) Generous (5) Gratitude
Q.6. Hut : Mansion :: Rabbit : ?
 (1) Hole (2) Carrot (3) Elephant (4) Small (5) Rat
Q.7. If the letters in the word TOPS can be rearranged to form a meaningful word beginning with O, the last letter of that word is your answer. If more than one such word can be formed, M is the answer and if no such word can be formed, X is the answer.
 (1) T (2) P (3) M (4) S (5) X
Q.8. 'Some leaders are dishonest. Satyapriya is a leader.' Which of the following inferences definitely follows from these statements ?
 (1) Satyapriya is honest (2) Satyapriya is dishonest
 (3) Some leaders are honest (4) Leaders are generally dishonest
 (5) Satyapriya is sometimes dishonest

DATA INTERPRETATION

This test is designed to measure how fast and accurate you are in dealing with numbers, viz. computation, quantitative reasoning, interpretation of tables and graphs etc.

Q.1. At 10 paise each, how many paise will 6 lemons cost ?
 (1) 6 (2) 10 (3) 60 (4) 610 (5) Other than those given as options
Q.2. Which of the following can be exact multiple of 4 ?
 (1) 27114 (2) 58204 (3) 48402 (4) 32286 (5) Other than those given as options
Q.3. If the profit made by selling a pen for Rs.10 is as much as its cost, what is the cost price of the pen ?
 (1) Rs.3/- (2) Rs.5/- (3) Rs.10/- (4) Rs.20/- (5) Other than those given as options

Also, there may be some questions based on graphs and tables.

Q.4-6. Directions : Given below is a table showing percentages out of a total of 700 employees ranking six attributes that help promotion. Rank I is the highest. Study the table carefully and answer the questions that follow :

Attribute	% of Employees Giving Different Ranks					
	I	II	III	IV	V	VI
Seniority	32	17	22	19	5	5
Perseverance	14	19	17	9	27	14
Efficiency	15	19	21	14	14	17
Intelligence	10	14	10	14	17	35
Honesty	24	17	7	9	27	16
Sociability	5	14	23	35	10	13

Q.4. Which attribute for promotion has received the highest rank ?
 (1) Perseverance (2) Seniority (3) Honesty (4) Sociability (5) Efficiency
Q.5. How many employees gave rank III to intelligence ?
 (1) 119 (2) 98 (3) 77 (4) 70 (5) 10
Q.6. Which attribute is considered the least important for promotion ?
 (1) Honesty (2) Intelligence (3) Perseverance (4) Efficiency (5) Sociability

ENGLISH LANGUAGE

This is a test to see how well you know English. Your English language ability would be tested through questions on grammar, vocabulary, sentence completion, synonyms, antonyms, comprehension of a passage, etc. Study and answer the sample questions given below :

Directions : Pick out the most appropriate word from amongst the words given below each sentence to complete it meaningfully.

Q.1. He quickly glanced the book to find what it said about the Indian economy.
(1) at (2) through (3) in (4) to (5) over

Q.2. The counsel urged the court to down the obnoxious law.
(1) enact (2) enforce (3) cancel (4) strike (5) declare

Q.3. The local official the Minister of the situation.
(1) explained (2) warned (3) apprised (4) told (5) intimated

Directions : Read each sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. The number of that part of the sentence is your answer. If there is no error, the answer is (5).

Q.4. I am twenty / two years old / when I first / joined the bank. No error
(5)
(1) (2) (3) (4)

Q.5. To the Hindus / the Ganga is / holier than / any other river. No error
(5)
(1) (2) (3) (4)

Q.6. Of all the teachers / in our school / our class teacher / were very strict. No error
(5)
(1) (2) (3) (4)

Directions : In each of the following questions, select from amongst the five alternatives, the word nearest in meaning to the word given in capitals.

Q.7. LETHAL
(1) light (2) dangerous (3) deadly (4) cruel (5) thoughtless

Q.9. TRIUMPH
(1) conquer (2) smash (3) earn (4) brave (5) capture

Directions : In each of the following questions, select from amongst the five alternatives, the word most opposite in meaning of the word given in capitals.

Q.10. LIVELY
(1) simple (2) weak (3) dull (4) angry (5) moron

Q.11. INADVERTENT
(1) adequate (2) available (3) sluggish (4) negligent (5) intentional

Marathi

प्र.1-2. पुढील प्रत्येक प्रश्नात वाक्याचे चार भाग पाडले आहेत. व्याकरणाच्या, वाक्य रचनेच्या किंवा भाषेच्या दृष्टीने वाक्य सदोष असल्यास, कोणत्या भागात दोष आहे ते ठरवून त्या भागाचा क्रमांक उत्तर म्हणून द्या. वाक्य निर्दोष / बिनचूक असल्यास उत्तर “(5)” द्या.

प्र.1. इंगलंडमधून जन्मलेल्या / कुसुमाग्रजांना शेक्सपियर म्हणतात / व हिंदुस्थानात जन्मलेल्या शेक्सपियरांना /
(1) (2) (3)
कुसुमाग्रज म्हणतात
(4) निर्दोष
(5)

प्र.2. माझ्या स्मरणशक्तीनुसार / माझ्या बाळपणी माझ्या वडिलांची बदली / एका गलिच्छ गावी / झाली आहे. निर्दोष
(5)
(1) (2) (3) (4)

प्र.3-4. पुढे काही शब्दसमूह दिले आहेत. त्यांचा अर्थ सांगणारा एक शब्द दिलेल्या पर्यायातून निवडा.

प्र.3. स्वतःच स्वतःची सर्व कामे करणारा.
(1) स्वयंभू (2) स्वावलंबी (3) स्वयंचलित (4) स्वकष्टार्जित (5) स्वाध्यायी

प्र.4. कोणतेही काम करू शकणारा.

(1) बहुशृत (2) हुषार (3) चलाख (4) हरहुन्हरी (5) डोकेबाज

Details of the online Examination :

- (1) The examination would be conducted online i.e. on a computer.
- (2) All tests (except for the test of Marathi Language) will be in English.
- (3) All the questions will have multiple choices. Out of the five answers to a question only one will be the correct answer. **The candidate has to select the correct answer and ‘mouse click’ that alternative which he/ she feels is correct. The alternative/ option that is clicked on will be treated as the answer to that question. Answer to any question will be considered for final evaluation, only when candidates have submitted the answers by clicking on “Save & Next” or “Mark for Review & Next”.**
- (4) The clock has been set at the server and the countdown timer at the top right corner of your screen will display the time remaining for you to complete the exam. When the clock runs out the exam ends by default - you are not required to end or submit your exam.
- (5) The Question Palette displayed on the right side of screen will show the status of each question using one of the following symbols :

- 1 You have not visited the question yet.
- 2 You have not answered the question.
- 3 You have answered the question.
- 4 You have NOT answered the question, but have marked the question for review.
- 5 The question(s) "Answered and Marked for Review" will be considered for evaluation.

The Marked for Review status for a question simply indicates that you would like to look at that question again. *If a question is answered and Marked for Review, your answer for that question will be considered in the evaluation.*

(6) To select a question to answer, you can do one of the following :

- (a) Click on the question number on the question palette at the right of your screen to go to that numbered question directly. Note that using this option **does NOT save your answer** to the current question.
- (b) Click on '**Save & Next**' to save answer to current question and to go to the next question in sequence.
- (c) Click on '**Mark for Review and Next**' to save answer to current question, mark it for review, and to go to the next question in sequence.

(7) To select your answer, click on one of the option buttons.

(8) To change your answer, click another desired option button.

(9) To save your answer, you **MUST** click on **Save & Next**.

(10) To deselect a chosen answer, click on the chosen option again or click on the **Clear Response** button.

(11) To mark a question for review click on **Mark for Review & Next**. *If an answer is selected for a question that is Marked for Review, the answer will be considered in the final evaluation.*

(12) To change an answer to a question, first select the question and then click on the new answer option followed by a click on the **Save & Next** button.

(13) Questions that are saved or marked for review after answering will ONLY be considered for evaluation.

(14) The candidates are requested to follow the instructions of the "Test Administrator" carefully. If any candidate does not follow the instructions / rules, it would be treated as a case of misconduct/ adoption of unfair means and such a candidate would be liable for debarment from appearing for examinations for a period as decided by BEST.

(15) Tests are separately timed. You can attempt any question in a particular test during the time allotted to that test only.

(16) The candidates may ask the Test Administrator about their doubts or questions only before the commencement of the test. No query shall be entertained after the commencement of the examination.

(17) After the expiry of the allotted time, the candidates will not be able to attempt any question or check their answers. The answers of the candidate would be saved automatically by the computer system even if he/ she has not clicked the "Submit" button.

(18) Please note :

- (a) **Candidates will not be allowed to "finally submit" unless they have exhausted the actual test time.**
- (b) **Under no circumstances should a candidate click on any of the 'keyboard keys' once the Objective exam starts as this will lock the exam.**

Do not click on 'Keyboard Keys', as this will lock the exam.

B] General Instructions:

- (1) Please note date, Reporting time and venue address of the examination given in the call letter.
- (2) You may visit the venue one day before the Online Examination to confirm the location so that you are able to report **on time** (as printed on the call letter) on the day of the examination. Late comers will not be allowed.
- (3) The call letter should be brought with you to the examination venue along with your recent passport size photograph duly pasted on it. (Preferably the same photograph as was as uploaded).
- (4) You must scrupulously follow the instructions of the Test Administrator and BEST Representative at the examination venue. If you violate the instructions you will be disqualified and will be asked to leave the examination venue.
- (5) No use of calculators (separate or with watch), books, note books or written notes, cell phones (with or without camera facility), or any other electronic device will be allowed during the examination.
- (6) Biometric data (thumb impression) and photograph will be captured before the start of examination at the examination venue. Decision of the Biometric data verification authority with regard to its status (matched or mismatched) shall be final and binding upon the candidates. Refusal to participate in the process of biometric data capturing / verification on any occasion may lead to cancellation of candidature. With regards to the same, please note the following :
 - (a) If fingers are coated (stamped ink/mehndi/coloured...etc), ensure to thoroughly wash them so that coating is completely removed before the examination day.
 - (b) If fingers are dirty or dusty, ensure to wash them and dry them before the thumb impression (biometric) is captured.
 - (c) Ensure fingers of both hands are dry. If fingers are moist, wipe each finger to dry them.
 - (d) If the primary finger (thumb) to be captured is injured/damaged, immediately notify the concerned authority in the test centre.(Any failure to observe these points will result in non-admittance for the examination).
- (7) Please bring the call letter with your photograph affixed thereon, currently valid Photo identity proof in original and a photocopy of the same ID proof which you bring in original - **THIS IS ESSENTIAL. The call-letter along with photocopy of photo identity proof duly stapled together are to be submitted to the invigilator at the end of exam.** Currently valid photo identity proof may be PAN Card/Passport/ Permanent Driving License/Voter's Card with photograph/Bank Passbook with photograph/Photo Identity proof issued by a Gazetted Officer on official letterhead along with photograph/Photo Identity proof issued by a People's Representative on official letterhead along with photograph/Valid recent Identity Card issued by a recognized College/University/Aadhaar Card/E-Aadhaar Card with a photograph/Employee ID in original/Bar Council Identity card with photograph. **Please Note - Ration Card and Learner's Driving License will not be accepted as valid ID proof for this purpose.** Please note that your name as appearing on the call letter (provided by you during the process of registration) should exactly match the name as appearing on the photo identity proof. Female candidates who have changed first/last/middle name post marriage must take special note of this. If there is any mismatch between the name indicated in the Call Letter and Photo Identity Proof you will not be allowed to appear for the exam. **In case of candidates who have changed their name will be allowed only if they produce Gazette notification/their marriage certificate/affidavit.**
- (8) Your responses (answers) will be analysed with other candidates to detect patterns of similarity of right and wrong answers. If in the analytical procedure adopted in this regard, it is inferred/concluded that the responses have been shared and scores obtained are not genuine/valid, your candidature may be cancelled. Any candidate who is found copying or receiving or giving assistance or engaging in any behaviour unbecoming of a candidate will not be considered for assessment. The BEST may take further action against such candidates as deemed fit by it.
- (9) You should bring with you a ball-point pen (blue Colour) and an ink stamp pad (blue/black). A sheet of paper will be provided which can be used for rough work or taking down the question number you would like to review at the end of the test before submitting your answers. After the test is over you MUST handover this sheet of paper along with the Call Letter to the invigilator.

- (10) The possibility for occurrences of some problem in the administration of the examination cannot be ruled out completely which may impact test delivery and/or result from being generated. In that event, every effort will be made to rectify such problems, which may include the conduct of another examination if considered necessary. The decision of the test conducting body in this regard shall be final. Candidates not willing to accept such change shall lose his/her candidature for this exam.
- (11) If the examination is held in more than one session, the scores across various sessions will be equated to adjust for slight differences in difficulty level of different test batteries used across sessions. More than one session is required if the nodes capacity is less or some technical disruption takes place at any centre or for any candidate.
- (12) Anyone found to be disclosing, publishing, reproducing, transmitting, storing or facilitating transmission and storage of test contents in any form or any information therein in whole or part thereof or by any means verbal or written, electronic or mechanical or taking away the papers supplied in the examination hall or found to be in unauthorised possession of test content is likely to be prosecuted.
- (13) Instances for providing incorrect information and/or process violation by a candidate detected at any stage of the selection, process will lead to disqualification of the candidate from the selection process and he/she will not be allowed to appear in any recruitment process of the BEST in the future. If such instances go undetected during the current selection process but are detected subsequently, such disqualification will take place with retrospective effect.
- (14) Candidates are advised to take note of "The Public Examinations (Prevention of Unfair Means) Act, 2024".

WISH YOU GOOD LUCK!