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Syllabus For
Delhi Metro Rail
DMRC

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Whats App No.- 90908 84522 Website:- www.saiinstitute.org.in

E-MAIL ID:-  saiedu.ctc@gmail.com

ADDRESS: AD Market,Nr Bazar India ,Link Road,Cuttack-12
Ph.No:98612 77722,77352 77722

Delhi Metro Rail Corporation (DMRC)

Delhi Metro Rail Corporation (DMRC) Limited conducts the Recruitment exam to fill the vacancies in various posts like Junior Engineer (JE), Customer Relations Assistant (CRA), and Station Controller / Train Operator (SC/TO). DMRC Recruitment Exam Pattern varies for each post. DMRC Exam is divided in two papers scheduled on the same day.

DMRC Recruitment Eligibility

DMRC sets out certain eligibility criteria for appearing in DMRC Recruitment for various jobs. The eligibility criteria may vary as per the job role for which a candidate is applying.

Here are some common eligibility points which a candidate needs to cover for DMRC Recruitment 2018:

- To be eligible to appear in DMRC Recruitment, candidate must be a citizen of India.
- Candidate must possess the required 3 Year/ 4 Year Graduation Degree/Diploma as per the job which candidate is applying for.
- Applicant also needs to fulfill some Medical/Health criteria to be eligible for Final Selection.

Let's take a look at the Educational qualification criteria and age criteria for some jobs under DMRC Recruitment, according to past trends:

| Name Of Job/post | Educational Qualification | Age Criteria |
|-----------------------------------|--|----------------|
| Station controller/Train Operator | For this job candidate must have passed a 3 year engineering diploma in Electrical or Electronic specialization, or candidate must have passed BSc or BSc(Hons) with subjects Physics/Chemistry/Mathematics from recognized University or Institute. | 18 to 28 Years |
| Customer Relations Assistant | For this job candidate must hold a Graduate Degree in any stream from a recognized University, also, the candidate must have a certificate of a Computer Application course of a tenure of at least 6 weeks | 18 to 28 Years |
| Junior Engineer (Electrical) | For this job candidate must have done a 3 year Engineering Diploma in relevant stream (electrical or equivalent) from a recognized University or Institute. | 18 to 28 Years |
| Junior Engineer (Electronics) | For this job candidate must have done a 3 year Engineering Diploma in relevant stream (electronics, electronics and communication or equivalent) from a recognized University or Institute.. | 18 to 28 Years |
| Junior. Engineer (Mechanical) | For this job candidate must have done a 3 year Engineering Diploma in relevant stream (mechanical or equivalent) from a recognized University or Institute. | 18 to 28 Years |
| Junior Engineer (Civil) | For this job candidate must have done a 3 year Engineering Diploma in relevant stream (civil or equivalent) from a recognized University or Institute. | 18 to 28 Years |
| Accountant Assistant | For this job candidate must have done Graduation in relevant stream (BCom or equivalent) from a recognized University | 18 to 28 Years |
| Office Assistant | For this job, candidate must hold a Graduation Degree from a recognized University | 18 to 28 Years |
| Stenographer | For this job candidate must hold a Graduation Degree from any recognized University. Candidate must have done a 1 year course in Office Management and Secretarial Practice. Candidate must have a Shorthand speed of 80 wpm and Typing speed of 40 wpm in English. However, proficiency in shorthand/typing in Hindi is desirable from the part of candidate. | 18 to 28 Years |
| Maintainer | For this job candidate must hold an ITI certificate in specific specializations, as listed on the official website of DMRC. | 18 to 25 Years |

❖ For the post of Junior Engineer (Electrical/ Electronics/ Mechanical/ Civil), the selection process is based on the following 3 stages:

1. Written Exams (2 papers)
2. Personal Interview
3. Medical examination

❖ For the post of Station Controller, Train Operator and Customer Relations Assistant, the selection process is based on the following 4 stages:

1. Writing Test
2. Psychometric Test
3. Personal Interview
4. Medical Examination

❖ For the post of Maintainer, the selection process is based on the below 2 stages only:

1. Written Test
2. Medical Examination

The negative marking system is present only in some of the selected entrance examinations conducted all over India.

- DMRC recruitment entrance exam pattern has the provision for the **negative marking** scheme, which reduces marks for each wrong answer attempted.

In DMRC recruitment entrance exam, there will be a deduction of 1/3 mark for each and every wrong answer attempted.

DMRC Recruitment Exam Pattern Highlights

| | |
|--------------------|----------------------------|
| Exam Mode | Computer based Online Test |
| Number of papers | 2 |
| Number of sections | 5 |
| Questions Type | Multiple choice questions |
| Total Questions | 180 |
| Total Marks | 180 |
| Exam duration | 2 hours 15 minutes |
| Exam language | English and Hindi |

DMRC Recruitment Exam Pattern in Detail

All questions are of MCQ type (multiple choice questions) with 4 options for each question and overall time duration for DMRC recruitment including Paper 1 and Paper 2 is 2 hours and 15 minutes.

Following are the important information regarding DMRC Recruitment Exam Pattern.

- The total number of multiple choice questions in DMRC Recruitment exam is 180 and each question carries one mark.
- 120 questions in Paper 1 are to be completed within a time duration of 90 minutes and 60 questions in Paper 2 to be completed within 45 minutes.
- The exam is conducted for a total of 180 marks.
- There is a provision for negative marking in DMRC Recruitment 2018 Exam Pattern.
- The total time duration allocated to complete the exam is maximum 2 hours and 15 minutes.

| | Paper 1 | Paper 2 |
|-----------------------|--|-----------------------------------|
| Number of Sections | 3 (General Awareness, Logical Ability, Quantitative Aptitude, Decision Making / Problem Solving and Knowledge of the Discipline/Trade) | 1 (General English) |
| Mode of Exam | Online Mode | Online Mode |
| Number of questions | 120 questions | 60 questions |
| Negative marking | Yes | Yes |
| Medium of test | English and Hindi | English only |
| Duration of DMRC test | 90 minutes | 45 minutes |
| Marking Scheme | -1/3 for each wrong marked answer | -1/3 for each wrong marked answer |
| Types of questions | MCQs types of questions | MCQs types of questions |

DMRC Recruitment Marking Scheme

The total marks for DMRC Recruitment is 180 marks and total number of questions is 180. Negative marking system exists in DMRC Recruitment. The below scheme is used for marking in DMRC Recruitment.

- Each correct answer will be awarded 1 marks.
- Each wrong answer will result in deduction of 1/3 mark.
- Unanswered questions will receive no marks.

DMRC Recruitment Exam syllabus:-

The detailed subject-wise syllabus for all the 4 sections in Paper 1 in DMRC Recruitment 2018 exam can be found below:

| SUBJECT | TOPICS TO BE COVERED |
|----------------------------------|---|
| General Awareness | Famous personalities, Inventions and discoveries, Books and authors, Calendar First largest, longest in world, Languages Music, Currencies, Statistical Data- world, Abbreviations & Important Days and many more, World Organizations, Trade awareness, Major Financial/Economic News, Who is who?, Solar system, Prizes and Awards, Earth, Environment and Pollution, General Geography, History, Economics, Polity, General Science, Computer Science, National Events, science and technology, Sports and recreation and economy |
| Quantitative Aptitude | Elementary Mathematics, Arithmetic, number system, square roots, cube roots, fractions and decimals, HCF and LCM, Simplification, verification, chain rule, ratio and proportion, average, logarithms, commercial math, Unitary Method, Decimal Fractions, simple interest, compound interest, percentage, profit and loss, partnership, discount, measurements- areas and volumes, area and perimeter of plane figure, volume and surface of solid, ages, boats and streams, clocks and calendars, mixture and allegation, pipes and cisterns, races and games, problems on trains, unitary methods, time and distance, work and wages |
| Logical Reasoning Ability | Analytical reasoning, direction and distance, linear arrangements, verbal analogies, classifications, coding and decoding, number and alphabet series, blood relations, symbols and notations, data sufficiency data interpretation, logical puzzles, syllogisms, statement and assumptions, statements and arguments, statement and conclusions, statements and action, symmetry, visual ability, non-verbal analogy |
| General English | Vocabulary, Synonyms and antonyms, Spelling Errors, Idioms and Phrases, One word substitution, Sentence Formation, Cloze Tests, Formation and Re-arrangement of sentence in paragraph, English usage errors, Inappropriate use of words and Sentence correction, English Comprehension, Sentence Formation, Sentence Correction, Sentence Completion, Sentence Improvement, Sentence Reconstruction, Re-arrangement of words in a sentence, spotting error and common errors |

The detailed subject wise syllabus for Paper 2 in DMRC Recruitment exam is given below:

- Paragraph Writing.
- English Comprehension.
- Writing Essay and questions on Science & Technology.

The detailed subject wise syllabus for different streams of engineering in the Knowledge of the discipline section in

Junior Engineers (JE) Exam Syllabus:-

| | |
|--------------------------------|--|
| ELECTRICAL ENGINEERING | Network Analysis Power Electronics & Drives Electronics Devices Electromagnetic Theory Analog and Digital Electronics Electrical Instrumentation Power System Analysis & Control Utilization of Electrical Energy Power System Protection Control Systems Power Systems Electrical Machines Switch Gear and Protection |
| ELECTRONICS ENGINEERING | Basic Electronics/ Power Electronics Advanced Communications Circuit Theory/ Digital Electronics Power Electronics & Drives Measurement & Instrumentation Analog Electronics Industrial Electronics Microprocessors & Microcontrollers Digital Communications Analog Communications Computer Hardware |
| MECHANICAL ENGINEERING | Refrigerator and Air-Conditioning Manufacturing Process Pattern Making Heat Power Strength Of Materials Air Compressor Welding And Allied Processes Air Fluid Mechanics And Machines Engineering Mechanics Machine Tools |
| CIVIL ENGINEERING | The Design of R.C.C. Structure, steel structure, masonry structure Concrete Technology Surveying Construction Hydrology Engineering Materials Structural Analysis Construction Equipment, Planning and Management The Strength of Materials Irrigation Engineering Geotechnical Engineering Environmental Engineering Estimation and Coating Transportation Engineering Engineering Drawings |

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