

DMRC JE SYLLABUS

General Knowledge

Geography of India
History of India
Indian Polity
Indian Economy
Everyday Science
General Science
Environmental Science
General Physics
General Chemistry
Life Science

Current Affairs

Persons in News
International Organizations
Games & Events
Awards & Honours
Books & Authors
Science & Technology
Defence & Security
Economic Affairs
National News
International News

General Aptitude

Numbers
Average
Percentage
Profit & Loss
Ratio & Proportion
Time & Work
Time & Distance
Simple & Compound Interest
Area & Volume
Data Interpretation

General Reasoning

Series Completion
Blood Relations
Classification
Puzzle Test

Analogy
Direction Sense Test
Coding-Decoding
Logical Venn Diagram
Paper Cutting
Cubes & Dices

Technical Section (Mechanical Engineering)

Machine Tools
Basic Thermodynamics
Boilers
Refrigeration & Air-Conditioning
Hydraulic Turbines
Stresses & Strain
Manufacturing System
Shear Force & Bending
Fabrication Process
Applied Mechanics

Technical Section (Electrical Engineering)

Electromagnetic
Analog Electronics
Measurement & Instrumentation
Control Systems
Power System
Network Theory
Electrical Machines
Power Electronics

Technical Section (Civil Engineering)

Structural Analysis
Environmental Engg.
Strength of Materials
Surveying
Soil Engineering
Construction Materials & Concrete Structures
Fluid Mechanics
Design of Steel Structures
Transportation Engineering
Hydrology & Irrigation

Technical Section (Electronics Engineering)

Analog Electronics

Digital Electronics
Electronic Devices and Circuits
Networks
Computer Engineering
Electronics Mmt. and Instrumentation
Control Systems
Communication
Electromagnetics
Signals & Systems

Technical Section (Computer Science)

Algorithms
Computer Networks
Programming and Data Structures
Databases
Operating System
Computer Organization and Architecture
Digital Logic
Theory of Computation
Discrete Mathematics
Compiler Design
Software Engineering

Paper – 2

General English

Active & Passive Voice
Direct & Indirect Speech
Synonyms
Antonyms
Comprehension Ability
Sentence Completion
Idioms & Phrases
One Word Substitution
Sentence Improvement
Spotting Error