

Mahadiscom Diploma Engineer Trainee Syllabus 2018 || Check Graduate Engineer Trainee Exam Pattern @ www.mahadiscom.in

Mahadiscom Diploma Engineer Trainee & GET Exam Pattern:

S.NO	Subjects & Questions	Marks
1	Professional Knowledge – 50 Q's	110 Marks
2	Reasoning – 40 Q's	20 Marks
3	Quantitative Aptitude – 20 Q's	10 Marks
4	Marathi Language – 20 Q's	10 Marks

A) TEST STRUCTURE (90% Weight-age):

Sr. No.	Test Structure	No. of Questions	Marks	Time
1	Test of Professional Knowledge	50	110	Composite time of 120 minutes (2Hours)
2	Test of General Knowledge i.e.			
	Test of Reasoning	40	20	
	Test of Quantitative Aptitude	20	10	
	Test of Marathi Language	20	10	

B) ACADEMIC PERFORMANCE (10% Wight-age):

Percentage of Marks acquired in the Examination for minimum Qualification	Weight-age out of 10%
≤50%	0
≥50 but ≤70%	2
≥70 but ≤90%	4
95% and above	6
Post Graduate Degree/diploma or MBA	2
Post Graduate Degree/diploma & MBA	2

MSEB Mahadiscom Diploma Engineer Trainee, GET Subject Wise Syllabus PDF 2018:

Computer Science Engineering Syllabus:

- Firewall & anti virus
- UML
- Object-Oriented designing
- Proposing and creating architecture and re-usable libraries in.NET
- JavaScript
- Networking with LAN/WAN
- Novel

- Knowledge of C++
- Operating Systems – DOS
- PHP
- MS SQL Server
- Oracle PL_SQL Architecture
- ASP.NET
- ADO.NET
- Java & JavaScript
- Manageable switch/router & wireless LAN with the network security
- Window OS client & server & Linux OS-client & server.
- Web Services
- Window Services
- JSON
- The query will be an added plus
- Grid Computing, Distributed
- OS

Civil Engineering Syllabus :

- Quantity Estimation
- Soil Mechanics
- Building Code
- Structural Analysis
- Environment 1 & 2
- Town Planning
- Professional practice
- Valuation
- Building Planning
- Hydraulic Structure
- Transportation Engineer 1 & 2 (Road)
- G.I.S.

DET, GET Electrical Engineering Syllabus:

- Control Systems
- Electrical Materials
- Electric Circuits and Fields
- Electrical and Electronic Measurements
- Computer Fundamentals
- Basic Electronics Engineering
- Analog and Digital Electronics
- Systems and Signal Processing
- Electrical Machines
- Power Systems
- Power Electronics and Drives

Mechanical Engineering Syllabus:

- Vector Calculus.
- Numerical Methods.

- Operations.
- Calculus.
- Fluid Mechanics.
- The design of Machine Elements.
- Refrigeration and air-conditioning.
- Thermodynamics.
- Engineering Materials.
- Probability & Statistics.
- Differential Equations.
- Theory of Machines.
- Engineering Mechanics.
- Tool Engineering.
- The Strength of Materials.
- Operations Research.
- Joining Processes.
- Turbomachinery.
- Forming Processes.
- Metal Casting.
- Thermodynamics and Statistical Mechanics.

Electronics and Communication Engineering Syllabus:

- Computer Organization and Architecture
- Electro Magnetism
- Materials Science
- Electronic Measurements and Instrumentation
- Network Theory
- Analog and Digital Circuits
- Analog and Digital Communication Systems
- Control Systems
- Advanced Communication
- Advanced Electronics
- Basic Electronics Engineering
- Basic Electrical Engineering

Reasoning Syllabus :

Verbal Reasoning

- Arithmetical Reasoning
- Operations of Mathematics
- Venn Diagrams
- Word Sequence
- Data Sufficiency
- Alpha- Numeric Sequence Puzzle
- Puzzle Test
- Blood Relations
- Coding- Decoding
- Assertion and Reasoning
- Missing Characters

- Sequential Output training
- Directions
- Test on Alphabets
- Eligibility Test

Non-Verbal Reasoning

- Paper Folding
- Paper Cutting
- Cubes and Dice
- Water Images
- Mirror Images
- Figure Matrix
- Dot Situation
- Identical figure groupings
- Forming figures and analysis
- Construction of squares and Triangles
- Series
- Analogy
- Analytical Reasoning
- Completion Incomplete Pattern
- Spotting embedded figures
- Classification
- Rules Detection

DET, GET Quantitative Aptitude Syllabus:

- Mixtures and Allegations
- Percentages
- Simple Equations
- Quadratic Equations
- Indices and Surds
- Areas
- Averages
- Problems on L.C.M and H.C.F
- Pipes and Cisterns
- Problems on Numbers
- Compound Interest
- Volumes
- Profit and Loss
- Odd Man Out
- Races and Games
- Numbers and Ages
- Mensuration
- Permutations and Combinations
- Probability
- Simplification and Approximation

Marathi Language Syllabus:

- Antonyms.
- Fill in the Blanks.
- Plural Forms
- Comprehension.
- Synonyms.
- Translation of Sentences.
- Grammar.
- Vocabulary.
- Error Detection.
- Phrases/Muhavare etc.

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