MAHADISCOM Diploma Engineer Trainee & GET Exam Pattern:

<table>
<thead>
<tr>
<th>S.NO</th>
<th>Subjects &amp; Questions</th>
<th>Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Professional Knowledge – 50 Q’s</td>
<td>110 Marks</td>
</tr>
<tr>
<td>2</td>
<td>Reasoning – 40 Q’s</td>
<td>20 Marks</td>
</tr>
<tr>
<td>3</td>
<td>Quantitative Aptitude – 20 Q’s</td>
<td>10 Marks</td>
</tr>
<tr>
<td>4</td>
<td>Marathi Language – 20 Q’s</td>
<td>10 Marks</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Test Structure</th>
<th>No. of Questions</th>
<th>Marks</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Test of Professional Knowledge</td>
<td>50</td>
<td>110</td>
<td>Composite time of 120 minutes (2Hours)</td>
</tr>
<tr>
<td>2</td>
<td>Test of General Knowledge i.e.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Test of Reasoning</td>
<td>40</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Test of Quantitative Aptitude</td>
<td>20</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Test of Marathi Language</td>
<td>20</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Percentage of Marks acquired in the Examination for minimum Qualification</th>
<th>Weight-age out of 10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>≤50%</td>
<td>0</td>
</tr>
<tr>
<td>&gt;50 but ≤70%</td>
<td>2</td>
</tr>
<tr>
<td>≥70 but ≤90%</td>
<td>4</td>
</tr>
<tr>
<td>95% and above</td>
<td>6</td>
</tr>
<tr>
<td>Post Graduate Degree/diploma or MBA</td>
<td>2</td>
</tr>
<tr>
<td>Post Graduate Degree/diploma &amp; MEA</td>
<td>2</td>
</tr>
</tbody>
</table>

MSEB MAHADISCOM Diploma Engineer Trainee, GET Subject Wise Syllabus PDF

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.
- 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 Magnetics
- 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.