**Content Weightages for**

**MT-Engineers - Written Test**

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Core Areas Division** | **% Weight** |
| 1- | Verbal Reasoning (IQ) | 25% |
| 2- | Analytical Reasoning | 25% |
| 3- | Subject Specific | 50% |
|  |  **Total** | **100%** |

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| **Sr. No** | **Designation of the Post** | **Criteria and Subject Division** | **Subject****% Weight** |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Management Trainee Maintenance****(Mechanical)** | **Overall Percentage**  | **50%** |
| Power Plants & Thermodynamics | 10% |
| Engineering drawing and graphics | 10% |
| Materials & Manufacturing Processes | 10% |
| Machine design | 5% |
| Mechanics of Material | 5% |
| Mechanical Vibrations | 5% |
| Basic Electrical and Electronics | 5% |
| **02** | **Management Trainee Production****(Chemical)** | **Overall Percentage**  | **50%** |
| Chemical Process Principles | 10% |
| Chemical Engineering Thermodynamics | 10% |
| Chemical Reaction Engineering | 10% |
| Heat & Mass Transfer  | 10% |
| Fluid Mechanics | 5% |
| Instrument and Process Control | 5% |
| **03** | **Management Trainee Electrical****(Electrical)** | **Overall Percentage**  | **50%** |
| Power Generation and Transmission | 10% |
| Power Distribution | 10% |
| Power System Protection | 10% |
| Power Electronics | 10% |
| High Voltage Engineering | 5% |
| Power System Analysis | 5% |
| **04** | **Management Trainee Instrumentation****(Instrument/ Electronic)** | **Overall Percentage**  | **50%** |
| Analogue Electronics | 10% |
| Digital Logic Design | 10% |
| Power/Industrial Electronics | 10% |
| Control Systems | 10% |
| AC and DC Machines | 5% |
| Telecommunication | 5% |
| **05** | **Management Trainee Technical Services****Laboratory****(Chemist)** | **Overall Percentages** | **50%** |
| Basics of Analytical Chemistry | %05 |
| Spectrometry and Spectrophotometry | %05 |
| Derivative Spectroscopy | %05 |
| Atomic Spectroscopy | %05 |
| Thermal Methods of Analyses | %05 |
| Inorganic Chemistry | 10% |
| Chemistry of Non-aqueous Solvents | %05 |
| Industrial Chemistry | 10% |