

# ITM Institute of Design and Media



## ITM IDM Entrance Exam Pattern

<b>Exam Structure</b>	Common Intelligence Test (CIT)
<b>Testing Parameters</b>	Basic Mathematics & Quantitative Ability, General History, Basic Physics, Language Ability
<b>Mode of Exam</b>	Online
<b>Duration of Exam</b>	2 Hours
<b>Number of Questions</b>	50
<b>Total Marks</b>	100
<b>Language of Paper</b>	English

## ITM IDM Exam Syllabus

### Basic Mathematics

- Algebra.
- Calculus and analysis.
- Geometry and topology.
- Combinatorics.
- Logic.
- Number theory.
- Dynamical systems and differential equations.
- Mathematical physics.

### Quantitative Ability

- Data Interpretation
- Inequalities
- Percentages

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- Number Series
- Arithmetic Aptitude
- Profit and Loss
- Simple Interest and Compound Interest
- Age Problems
- Work And Time
- Time & Speed
- Probability
- Mensuration
- Permutation and Combination
- Averages
- Ratios and Proportions
- Partnerships
- Stream Boat Problems
- Mixture and Alligation
- Pipes and Cisterns
- Coding and Decoding
- Important Problems

## General History

- Civil War.
- Cold War.
- Great Depression.
- Holocaust.
- Inventions & Science.
- Mexican-American War.
- Natural Disasters & Environment.
- Red Scare.

## Basic Physics

- Newton's laws of motion.
- Mass, force, and weight (Mass versus weight)
- Momentum and conservation of energy.
- Gravity, theories of gravity.
- Energy, work, and their relationship.
- Motion, position, and energy.

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## Language Ability

- Fault Diagnosis.
- Directed Speech.
- Language Learner.
- Native Language.
- Nonnative Language.
- Target Language.