

gate exam – Report

gate exam

Plan

7-Day Gate Exam Study Plan

Day 1: Introduction to Gate Exam and Mathematics

* Subtopics: Introduction to Gate Exam, Mathematics Basics

* Milestones:

+ Understand the format and syllabus of Gate Exam

+ Review basic mathematical concepts (Algebra, Calculus, etc.)

* Practice Activities:

+ Read Gate Exam syllabus and format

+ Practice basic mathematical problems (10-15 questions)

Day 2: Mathematics (Algebra and Calculus)

* Subtopics: Algebra, Calculus

* Milestones:

+ Review and practice algebraic equations and functions

+ Practice calculus concepts (limits, derivatives, integrals)

* Practice Activities:

+ Practice 20-25 algebraic problems

+ Practice 10-15 calculus problems

Day 3: Mathematics (Statistics and Probability)

* Subtopics: Statistics, Probability

* Milestones:

+ Review and practice statistical concepts (mean, median, standard deviation)

+ Practice probability concepts (events, Bayes' theorem)

* Practice Activities:

+ Practice 15-20 statistical problems

+ Practice 10-15 probability problems

Day 4: Engineering Mathematics

* Subtopics: Differential Equations, Linear Algebra

* Milestones:

+ Review and practice differential equations

+ Practice linear algebra concepts (matrices, determinants)

* Practice Activities:

+ Practice 10-15 differential equation problems

+ Practice 10-15 linear algebra problems

****Day 5: Engineering Mechanics and Materials Science****

* Subtopics: Engineering Mechanics, Materials Science

* Milestones:

+ Review and practice engineering mechanics concepts (statics, dynamics)

+ Practice materials science concepts (strength of materials, thermodynamics)

* Practice Activities:

+ Practice 10-15 engineering mechanics problems

+ Practice 10-15 materials science problems

****Day 6: Practice Mock Tests and Review****

* Subtopics: Review and Practice

* Milestones:

+ Practice a full-length mock test

+ Review and analyze mistakes

* Practice Activities:

+ Practice a full-length mock test (3-4 hours)

+ Review and analyze mistakes

****Day 7: Final Review and Practice****

* Subtopics: Final Review and Practice

* Milestones:

+ Review all topics covered in the past 6 days

+ Practice a few more problems

* Practice Activities:

+ Review all topics covered in the past 6 days

+ Practice 10-20 more problems

Summary

GATE Exam Study Notes

Overview:

The GATE (Graduate Aptitude Test in Engineering) exam is a competitive test held in India for admission to postgraduate

Key Points:

1. **Eligibility:** The exam is open to Bachelor's degree holders in Engineering/Technology/Architecture or Master's degree holders in Engineering/Technology/Architecture.
2. **Exam Pattern:** The exam consists of a single paper with multiple-choice questions (MCQs) and numerical answer boxes.
3. **Subjects:** The exam is offered in 27 different subjects, including Engineering, Technology, and Architecture.
4. **Marking Scheme:** Each correct answer is awarded 1 mark, while each incorrect answer carries a penalty of 1/3 mark.
5. **Cutoff:** The cutoff marks vary for different categories and subjects. Candidates are shortlisted based on their performance in the exam.

Example:

Suppose a candidate scores 65% in the exam and the cutoff for their category is 60%. They will be shortlisted for the next stage of the admission process.

Final Summary:

The GATE exam is a competitive test for admission to postgraduate programs in engineering and technology. It consists of a single paper with multiple-choice questions (MCQs) and numerical answer boxes.

MCQs

Q1: Who conducts the GATE exam jointly?

- Indian Institute of Science (IISc) and other Indian Institutes of Technology (IITs)
- Indian Institutes of Technology (IITs) only
- Indian Institute of Science (IISc) only
- Government of India and IITs

Answer: A

Q2: What is the age limit for the GATE exam, with a 3-year relaxation?

- 25 years
- 28 years
- 30 years
- 35 years

Answer: B

Q3: What percentage of the total marks is awarded for General Aptitude in the GATE exam?

- 20%
- 30%
- 40%
- 50%

Answer: B

Q4: How many different subjects is the GATE exam offered in?

- 20
- 25
- 27
- 30

Answer: C

Q5: What is the penalty for an incorrect answer in the GATE exam?

- 1 mark
- 1/3 mark
- 2 marks
- 2/3 mark

Answer: B