

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 de
2. ****Exam Pattern:**** The exam consists of a single paper with multiple-choice questions (MCQs) and numerical answer
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 m
5. ****Cutoff:**** The cutoff marks vary for different categories and subjects. Candidates are shortlisted based on their per

****Example:****

Suppose a candidate scores 65% in the exam and the cutoff for their category is 60%. They will be shortlisted for the m

****Final Summary:****

The GATE exam is a competitive test for admission to postgraduate programs in engineering and technology. It consis

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