



# Explore Physics By Himanshu

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## GATE PHYSICS (PH)

### EXAM PATTERN

The GATE Examination is carried out as **ONLINE** Computer Based Test (CBT) where the candidates will be shown the questions in a random sequence on a computer screen. The duration of the examination will be 3 hours. The medium for all the test papers is English only. There will be a total of 65 questions carrying 100 marks. GATE paper would contain questions of **THREE** different types

#### (i) Multiple Choice Questions (MCQ),

MCQ carrying 1 or 2 marks each, in all the papers and sections. These questions are objective in nature, and each will have choice of four answers, out of which **ONLY ONE** choice is correct.

#### (ii) Multiple Select Questions (MSQ)

MSQ carrying 1 or 2 marks each in all the papers and sections. These questions are objective in nature, and each will have choice of four answers, out of which **ONE or MORE** than **ONE** choice(s) are correct.

#### (iii) Numerical Answer Type (NAT) questions.

Questions carrying 1 or 2 marks each in most of the papers and sections.

For these questions, the answer is a signed real number, which needs to be entered by the candidate using the virtual numeric keypad on the monitor (keyboard of the computer will be disabled). No choices will be shown for these types of questions. The answer can be a number such as 10 or -10 (an integer only). The answer may be in decimals as well, for example, 10.1 (one decimal) or 10.01 (two decimals) or -10.001 (three decimals). These questions will be mentioned with, up to which decimal places, the candidates need to present the answer. Also, for some NAT type problems an appropriate range will be considered while evaluating these questions so that the candidate is not unduly penalized due to the usual round-off errors. Candidates are advised to do the rounding off at the end of the calculation (not in between steps). Wherever required and possible, it is better to give NAT answer up to a maximum of three decimal places.

## General Aptitude Section

The paper will consist of a mandatory General Aptitude (GA) section which will have 10 questions. 5 of the questions will be of 1 mark and the remaining 5 will be of 2 marks. Therefore, the total marks for this section will be 15 marks.

This section is intended to test typically the Language and Analytical Skills.

## Marking Scheme

1 Mark MCQs –  $\frac{1}{3}$  mark will be deducted for every wrong answer.

2 Mark MCQs –  $\frac{2}{3}$  mark will be deducted for every wrong response.

Zero marks will be awarded for unattempted questions

No negative marking will be done for Multiple Select Questions (MSQ) and Numerical Answer Type (NAT) questions.

In all the papers, there will be a total of 65 questions carrying 100 marks, out of which 10 questions carrying a total of 15 marks will be on General Aptitude (GA) and 55 questions carrying a total of 85 marks will be on physics syllabus.

