

## Graduate Aptitude Test in Engineering (GATE 2021)

## Answer Keys and Marks for Subject/Paper: Physics (PH)

| Q. No. | Session | Question Type<br>MCQ/MSQ/NAT | Section<br>Name | Answer<br>Key/Range | Marks | Negative<br>Marks |
|--------|---------|------------------------------|-----------------|---------------------|-------|-------------------|
| 1      | 2       | MCQ                          | GA              | <b>B</b>            | 1     | 1/3               |
| 2      | 2       | MCQ                          | GA              | <b>B</b>            | 1     | 1/3               |
| 3      | 2       | MCQ                          | GA              | <b>D</b>            | 1     | 1/3               |
| 4      | 2       | MCQ                          | GA              | <b>D</b>            | 1     | 1/3               |
| 5      | 2       | MCQ                          | GA              | <b>C</b>            | 1     | 1/3               |
| 6      | 2       | MCQ                          | GA              | <b>C</b>            | 2     | 2/3               |
| 7      | 2       | MCQ                          | GA              | <b>A</b>            | 2     | 2/3               |
| 8      | 2       | MCQ                          | GA              | <b>B</b>            | 2     | 2/3               |
| 9      | 2       | MCQ                          | GA              | <b>C</b>            | 2     | 2/3               |
| 10     | 2       | MCQ                          | GA              | <b>D</b>            | 2     | 2/3               |
|        |         |                              |                 |                     |       |                   |
| 1      | 2       | MCQ                          | PH              | <b>A</b>            | 1     | 1/3               |
| 2      | 2       | MCQ                          | PH              | <b>A</b>            | 1     | 1/3               |
| 3      | 2       | MCQ                          | PH              | <b>B</b>            | 1     | 1/3               |
| 4      | 2       | MCQ                          | PH              | <b>A</b>            | 1     | 1/3               |
| 5      | 2       | MCQ                          | PH              | <b>C</b>            | 1     | 1/3               |
| 6      | 2       | MCQ                          | PH              | <b>C</b>            | 1     | 1/3               |
| 7      | 2       | MCQ                          | PH              | <b>A</b>            | 1     | 1/3               |
| 8      | 2       | MCQ                          | PH              | <b>D</b>            | 1     | 1/3               |
| 9      | 2       | MCQ                          | PH              | <b>B</b>            | 1     | 1/3               |
| 10     | 2       | MSQ                          | PH              | <b>B; C; D</b>      | 1     | 0                 |

**GATE 2021 Answer Key for Physics (PH)**

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|---------------|----------------|--------------------------------------|-------------------------|-----------------------------|--------------|---------------------------|
| 11            | 2              | MSQ                                  | PH                      | <b>B</b>                    | 1            | 0                         |
| 12            | 2              | MSQ                                  | PH                      | <b>B; D</b>                 | 1            | 0                         |
| 13            | 2              | MSQ                                  | PH                      | <b>A; D</b>                 | 1            | 0                         |
| 14            | 2              | MSQ                                  | PH                      | <b>C; D</b>                 | 1            | 0                         |
| 15            | 2              | MSQ                                  | PH                      | <b>A; B</b>                 | 1            | 0                         |
| 16            | 2              | MSQ                                  | PH                      | <b>B; C</b>                 | 1            | 0                         |
| 17            | 2              | NAT                                  | PH                      | <b>115 to 116</b>           | 1            | 0                         |
| 18            | 2              | NAT                                  | PH                      | <b>2 to 2</b>               | 1            | 0                         |
| 19            | 2              | NAT                                  | PH                      | <b>5000 to 5000</b>         | 1            | 0                         |
| 20            | 2              | NAT                                  | PH                      | <b>2 to 2</b>               | 1            | 0                         |
| 21            | 2              | NAT                                  | PH                      | <b>5 to 6</b>               | 1            | 0                         |
| 22            | 2              | NAT                                  | PH                      | <b>17367 to<br/>17371</b>   | 1            | 0                         |
| 23            | 2              | NAT                                  | PH                      | <b>6 to 6</b>               | 1            | 0                         |
| 24            | 2              | NAT                                  | PH                      | <b>2 to 2</b>               | 1            | 0                         |
| 25            | 2              | NAT                                  | PH                      | <b>-1 to -1</b>             | 1            | 0                         |
| 26            | 2              | MCQ                                  | PH                      | <b>B</b>                    | 2            | 2/3                       |
| 27            | 2              | MCQ                                  | PH                      | <b>D</b>                    | 2            | 2/3                       |
| 28            | 2              | MCQ                                  | PH                      | <b>D</b>                    | 2            | 2/3                       |
| 29            | 2              | MCQ                                  | PH                      | <b>A</b>                    | 2            | 2/3                       |
| 30            | 2              | MCQ                                  | PH                      | <b>D</b>                    | 2            | 2/3                       |
| 31            | 2              | MCQ                                  | PH                      | <b>A</b>                    | 2            | 2/3                       |
| 32            | 2              | MCQ                                  | PH                      | <b>D</b>                    | 2            | 2/3                       |
| 33            | 2              | MCQ                                  | PH                      | <b>A</b>                    | 2            | 2/3                       |

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|---------------|----------------|--------------------------------------|-------------------------|-----------------------------|--------------|---------------------------|
| 34            | 2              | MCQ                                  | PH                      | <b>C</b>                    | 2            | 2/3                       |
| 35            | 2              | MCQ                                  | PH                      | <b>A</b>                    | 2            | 2/3                       |
| 36            | 2              | MCQ                                  | PH                      | <b>B</b>                    | 2            | 2/3                       |
| 37            | 2              | MCQ                                  | PH                      | <b>C</b>                    | 2            | 2/3                       |
| 38            | 2              | MCQ                                  | PH                      | <b>B</b>                    | 2            | 2/3                       |
| 39            | 2              | MCQ                                  | PH                      | <b>A</b>                    | 2            | 2/3                       |
| 40            | 2              | MCQ                                  | PH                      | <b>A</b>                    | 2            | 2/3                       |
| 41            | 2              | MCQ                                  | PH                      | <b>A</b>                    | 2            | 2/3                       |
| 42            | 2              | MSQ                                  | PH                      | <b>B; D</b>                 | 2            | 0                         |
| 43            | 2              | MSQ                                  | PH                      | <b>A; D</b>                 | 2            | 0                         |
| 44            | 2              | MSQ                                  | PH                      | <b>A; C</b>                 | 2            | 0                         |
| 45            | 2              | MSQ                                  | PH                      | <b>B; C</b>                 | 2            | 0                         |
| 46            | 2              | MSQ                                  | PH                      | <b>A; B</b>                 | 2            | 0                         |
| 47            | 2              | NAT                                  | PH                      | <b>14.0 to 15.0</b>         | 2            | 0                         |
| 48            | 2              | NAT                                  | PH                      | <b>8 to 8 OR 9 to 9</b>     | 2            | 0                         |
| 49            | 2              | NAT                                  | PH                      | <b>-3 to -3</b>             | 2            | 0                         |
| 50            | 2              | NAT                                  | PH                      | <b>5 to 5</b>               | 2            | 0                         |
| 51            | 2              | NAT                                  | PH                      | <b>4 to 4</b>               | 2            | 0                         |
| 52            | 2              | NAT                                  | PH                      | <b>5.40 to 5.50</b>         | 2            | 0                         |
| 53            | 2              | NAT                                  | PH                      | <b>0.24 to 0.26</b>         | 2            | 0                         |
| 54            | 2              | NAT                                  | PH                      | <b>27 to 93</b>             | 2            | 0                         |
| 55            | 2              | NAT                                  | PH                      | <b>3 to 5</b>               | 2            | 0                         |