

# GATE 2014

## Answer Keys for EC - Electronics and Communication Engineering

| Section | Q. No. | SECTION - 4  |       |
|---------|--------|--------------|-------|
|         |        | Key / Range  | Marks |
| GA      | 1      | A            | 1     |
| GA      | 2      | B            | 1     |
| GA      | 3      | B            | 1     |
| GA      | 4      | A            | 1     |
| GA      | 5      | 495 to 495   | 1     |
| GA      | 6      | C            | 2     |
| GA      | 7      | B            | 2     |
| GA      | 8      | B            | 2     |
| GA      | 9      | 22 to 22     | 2     |
| GA      | 10     | B            | 2     |
| EC      | 1      | D            | 1     |
| EC      | 2      | 6.8 to 7.2   | 1     |
| EC      | 3      | 0.79 to 0.81 | 1     |
| EC      | 4      | B            | 1     |
| EC      | 5      | 2.99 to 3.01 | 1     |
| EC      | 6      | C            | 1     |
| EC      | 7      | 2.79 to 2.81 | 1     |
| EC      | 8      | A            | 1     |
| EC      | 9      | A            | 1     |
| EC      | 10     | 1.12 to 1.14 | 1     |
| EC      | 11     | B            | 1     |
| EC      | 12     | D            | 1     |
| EC      | 13     | D            | 1     |
| EC      | 14     | B            | 1     |
| EC      | 15     | A            | 1     |
| EC      | 16     | A            | 1     |
| EC      | 17     | 3.36 to 3.39 | 1     |
| EC      | 18     | D            | 1     |
| EC      | 19     | 3.9 to 4.1   | 1     |
| EC      | 20     | A            | 1     |
| EC      | 21     | C            | 1     |
| EC      | 22     | A            | 1     |
| EC      | 23     | 3.95 to 4.05 | 1     |

| Section | Q. No. | SECTION - 4    |       |
|---------|--------|----------------|-------|
|         |        | Key / Range    | Marks |
| EC      | 24     | 47.6 to 47.8   | 1     |
| EC      | 25     | B              | 1     |
| EC      | 26     | 0.53 to 0.55   | 2     |
| EC      | 27     | 0.43 to 0.45   | 2     |
| EC      | 28     | D              | 2     |
| EC      | 29     | C              | 2     |
| EC      | 30     | B              | 2     |
| EC      | 31     | 31.24 to 31.26 | 2     |
| EC      | 32     | 2.60 to 2.64   | 2     |
| EC      | 33     | C              | 2     |
| EC      | 34     | 224.9 to 225.1 | 2     |
| EC      | 35     | 378 to 381     | 2     |
| EC      | 36     | D              | 2     |
| EC      | 37     | B              | 2     |
| EC      | 38     | 0.49 to 0.51   | 2     |
| EC      | 39     | 9.39 to 9.41   | 2     |
| EC      | 40     | C              | 2     |
| EC      | 41     | 194.9 to 195.1 | 2     |
| EC      | 42     | A              | 2     |
| EC      | 43     | B              | 2     |
| EC      | 44     | 0.99 to 1.01   | 2     |
| EC      | 45     | B              | 2     |
| EC      | 46     | D              | 2     |
| EC      | 47     | 1.9 to 2.1     | 2     |
| EC      | 48     | 0.32 to 0.41   | 2     |
| EC      | 49     | C              | 2     |
| EC      | 50     | 0.79 to 0.81   | 2     |
| EC      | 51     | 15.9 to 16.1   | 2     |
| EC      | 52     | C              | 2     |
| EC      | 53     | -15.1 to -14.9 | 2     |
| EC      | 54     | 3.13 to 3.15   | 2     |
| EC      | 55     | D              | 2     |