

# JEE Main 2024 Answer Key Jan 31 Shift 1 (B.E./B.Tech)

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| Physics      |                                |
|--------------|--------------------------------|
| Question No. | Answer Key                     |
| 1            | $9\lambda$                     |
| 2            | $(\sqrt{3}-1R)/2$              |
| 3            | $3.6 \times 10^{13} \text{ J}$ |
| 4            | $\pi-2A$                       |
| 5            | D                              |
| 6            | 4L                             |
| 7            | B                              |
| 8            | A                              |
| 9            | A                              |
| 10           | C                              |
| 11           | D                              |
| 12           | A                              |
| 13           | C                              |
| 14           | c                              |
| 15           | A                              |

|    |    |
|----|----|
| 16 | C  |
| 17 | A  |
| 18 | B  |
| 19 | 1  |
| 20 | 6J |

| Chemistry    |            |
|--------------|------------|
| Question No. | Answer Key |
| 1            | B          |
| 2            | C          |
| 3            | 4          |
| 4            | Yellow     |
| 5            | $u = 0$    |
| 6            | D          |
| 7            | C          |
| 8            | 50         |
| 9            | 3          |
| 10           | 32         |
| 11           | 28         |
| 12           | B          |
| 13           | B          |

|    |   |
|----|---|
| 14 | A |
|----|---|

| <b>Mathematics</b>  |                   |
|---------------------|-------------------|
| <b>Question No.</b> | <b>Answer Key</b> |
| 1                   | 118               |
| 2                   | 42                |
| 3                   | 0                 |
| 4                   | 4                 |
| 5                   | 104.28            |
| 6                   | A                 |
| 7                   | A                 |
| 8                   | C                 |
| 9                   | B                 |
| 10                  | A                 |
| 11                  | D                 |
| 12                  | 13                |