

# WBJEE - 2019

## ANSWER KEY

### PHYSICS & CHEMISTRY

| Q.No. |         |         |         |         |
|-------|---------|---------|---------|---------|
| 01    | B       | A       | D       | A       |
| 02    | B       | C       | A       | D       |
| 03    | D       | C       | C*      | D       |
| 04    | D       | C       | B       | C#      |
| 05    | D       | B       | B       | B       |
| 06    | B       | A       | D       | C       |
| 07    | B       | D       | D       | D       |
| 08    | C       | A       | D       | A       |
| 09    | D       | A       | B       | D       |
| 10    | C       | D       | B       | A       |
| 11    | C       | D       | C       | C*      |
| 12    | A       | C#      | D       | B       |
| 13    | C       | B       | C       | B       |
| 14    | C       | C       | C       | D       |
| 15    | C       | D       | A       | D       |
| 16    | B       | A       | C       | D       |
| 17    | A       | D       | C       | B       |
| 18    | D       | A       | C       | B       |
| 19    | A       | C*      | B       | C       |
| 20    | A       | B       | A       | D       |
| 21    | D       | B       | D       | C       |
| 22    | D       | D       | A       | C       |
| 23    | C#      | D       | A       | A       |
| 24    | B       | D       | D       | C       |
| 25    | C       | B       | D       | C       |
| 26    | D       | B       | C#      | C       |
| 27    | A       | C       | B       | B       |
| 28    | D       | D       | C       | A       |
| 29    | A       | C       | D       | D       |
| 30    | C*      | C       | A       | A       |
| 31    | A       | A       | C       | A       |
| 32    | A       | A       | A       | C       |
| 33    | A       | C       | A       | A       |
| 34    | A       | A       | A       | A       |
| 35    | C       | A       | A       | A       |
| 36    | B, D    | A, D    | B, D    | A, C    |
| 37    | B       | A, C    | B, D    | B, D    |
| 38    | A, D    | B, D    | B       | B, D    |
| 39    | A, C    | B, D    | A, D    | B       |
| 40    | B, D    | B       | A, C    | A, D    |
| 41    | C       | C       | A       | A       |
| 42    | A       | D       | B       | B       |
| 43    | D       | C       | D       | D       |
| 44    | B       | C       | B       | A       |
| 45    | A       | C       | D       | B       |
| 46    | B       | A       | D       | D       |
| 47    | C       | B       | D       | B       |
| 48    | B       | D       | B       | A       |
| 49    | D       | A       | C       | B       |
| 50    | B       | B       | A       | D       |
| 51    | C       | D       | D       | B       |
| 52    | D       | B       | B       | D       |
| 53    | C       | A       | A       | D       |
| 54    | C       | B       | B       | D       |
| 55    | C       | D       | C       | B       |
| 56    | A       | B       | B       | C       |
| 57    | B       | D       | D       | A       |
| 58    | D       | D       | B       | D       |
| 59    | A       | D       | C       | B       |
| 60    | B       | B       | D       | A       |
| 61    | D       | C       | C       | B       |
| 62    | B       | A       | C       | C       |
| 63    | A       | D       | C       | B       |
| 64    | B       | B       | A       | D       |
| 65    | D       | A       | B       | B       |
| 66    | B       | B       | D       | C       |
| 67    | D       | C       | A       | D       |
| 68    | D       | B       | B       | C       |
| 69    | D       | D       | D       | C       |
| 70    | B       | B       | B       | C       |
| 71    | D       | A       | A       | D       |
| 72    | D       | D       | D       | A       |
| 73    | A       | A       | D       | D       |
| 74    | D       | D       | A       | D       |
| 75    | A       | D       | D       | A       |
| 76    | A, B    | B, C, D | D       | A, C    |
| 77    | A, B    | A, C    | A, B    | D       |
| 78    | B, C, D | D       | A, B    | A, B    |
| 79    | A, C    | A, B    | B, C, D | A, B    |
| 80    | D       | A, B    | A, C    | B, C, D |

# The actual answer is  $5\mu_0/24\pi_0$ ;  $\pi_0$  is missing in the given option

\* The data given lead to large angular position for which trigonometric approximation should not have been valid

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