

GATE EE2017, 36

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The output expression of the Karnaugh map shown below is

| AB \ CD | CD | | | |
|---------|----|----|----|----|
| | 00 | 01 | 11 | 10 |
| 00 | 0 | 0 | 0 | 0 |
| 01 | 1 | 0 | 0 | 1 |
| 11 | 1 | 0 | 1 | 1 |
| 10 | 0 | 0 | 0 | 0 |

- A. $B\bar{D} + BCD$
- B. $B\bar{D} + AB$
- C. $\bar{B}D + ABC$
- D. $B\bar{D} + ABC$