

33 A transformer in a computer is used to transform the mains voltage of 240 V to 12 V.

The number of turns on the secondary coil is 2000.

Which statement about the transformer is correct?

- A** It is a step-down transformer and has 100 turns on its primary coil.
- B** It is a step-down transformer and has 40 000 turns on its primary coil.
- C** It is a step-up transformer and has 100 turns on its primary coil.
- D** It is a step-up transformer and has 40 000 turns on its primary coil.