

Assessment

QUESTION 1: MULTIPLE-CHOICE QUESTIONS

Various options are provided as possible answers to the following questions. Choose the answer and write only the letter (A–D) next to the question number (1.1–1.10) in the ANSWER BOOK, for example 1.11 D.

- 1.1 A constant horizontal force **F** is applied to a box resting on a horizontal, frictionless surface.

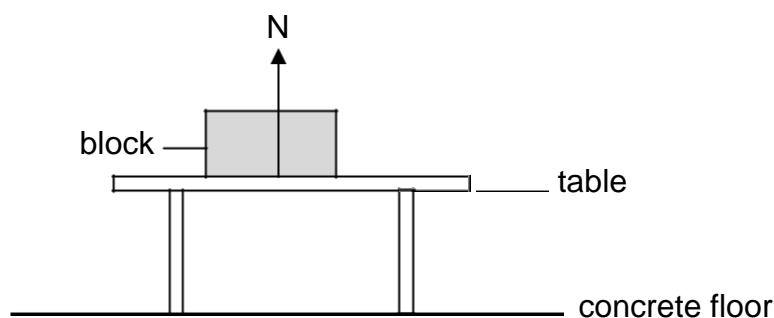
Which ONE of the following statements regarding force **F** is CORRECT?

Force **F** will cause the box to move with ...

- A constant acceleration.
- B constant velocity.
- C constant kinetic energy.
- D constant momentum.

(2)

- 1.2 A block rests on a table. The table stands on a concrete floor. The normal force is represented by **N**, as shown in the diagram below.



Which ONE of the following forces will form an action-reaction pair with the normal force (**N**)?

- A Force of the block on the Earth
- B Force of the block on the table
- C Force of the table surface on the block
- D Force of the block on the concrete floor

(2)

