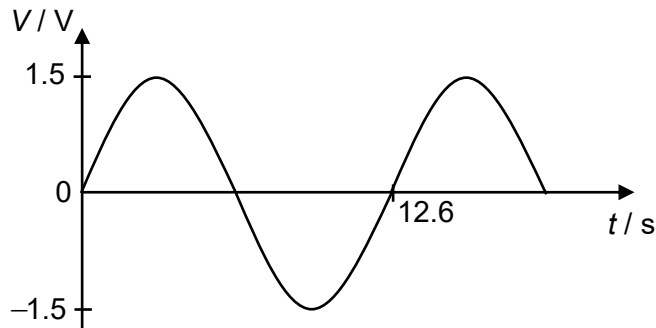


**25** The variation of an alternating voltage  $V$  with time  $t$  is shown in the graph below.



Which expression best represents  $V$  in terms of  $t$ ?

- A**  $V = 1.5 \sin(0.499t)$
- B**  $V = 1.5 \sin(2.01t)$
- C**  $V = 3.0 \sin(0.249t)$
- D**  $V = 1.5 \sin(12.6t)$

**26** An alternating current with a rectangular waveform as shown in the diagram below flows through a