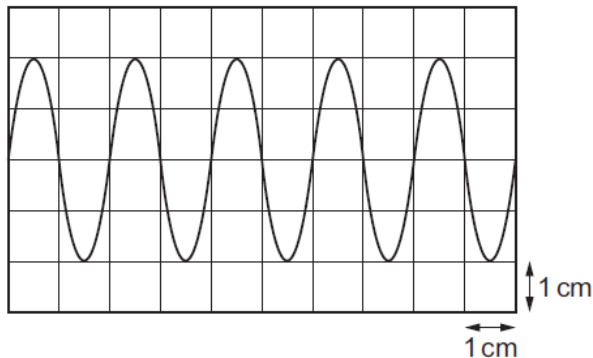


- 16** A cathode-ray oscilloscope (CRO) is used to display a wave of frequency 5.0 kHz. The display is shown.



What is the time-base setting of the CRO?

- A**  $10 \mu\text{s cm}^{-1}$       **B**  $100 \mu\text{s cm}^{-1}$       **C**  $10 \text{ ms cm}^{-1}$       **D**  $100 \text{ ms cm}^{-1}$
- 17** Two identical capacitors, X and Y, are connected in parallel to a battery of e.m.f. 6.0 V. The energy stored in the parallel combination is 0.75 J.