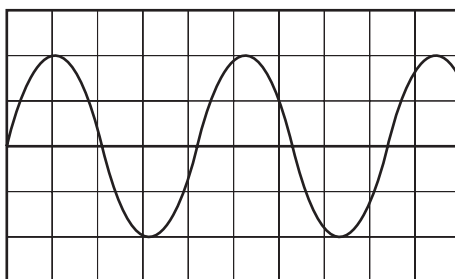


25 Which of the following wave motions may be used to demonstrate the phenomenon of polarisation?

- A** a sound wave from a thunderclap
- B** a surface wave in a water ripple tank
- C** a stationary wave in an organ pipe
- D** a stationary wave on a stretched wire

26 The diagram shows the screen of a cathode-ray oscilloscope (c.r.o.) displaying a wave.



The time-base of the c.r.o. is set at 10 ms/div.

What is the frequency of the wave?

- A** 0.24 Hz
- B** 4.2 Hz
- C** 12 Hz
- D** 24 Hz

27 P is a source emitting infra-red radiation and Q is a source emitting ultra-violet radiation. The figures in the table are suggested values for the wavelengths emitted by P and Q.

Which row is correct?

	wavelength emitted by P / m	wavelength emitted by Q / m
A	5×10^{-5}	5×10^{-8}
B	5×10^{-5}	5×10^{-10}
C	5×10^{-7}	5×10^{-8}
D	5×10^{-7}	5×10^{-10}