

- 16** A microwave transmitter of frequency, f , is placed several metres away from a metal plate deflector. A microwave receiver, connected to a microammeter, is used to detect nodes and antinodes along the normal from the source to the plate. The microwave receiver is moved from one node through 10 antinodes to another node, over a distance of L .

What is the speed of the microwave?

- A** $0.16fL$
- B** $0.18fL$
- C** $0.20fL$
- D** $0.25fL$