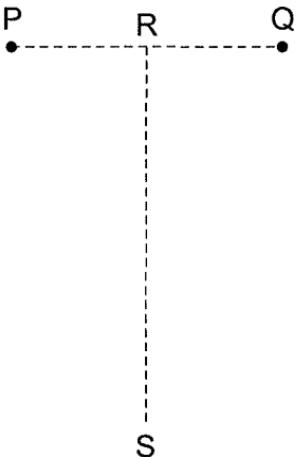


- 20 Coherent waves are produced at P and Q and travel outwards at the same speed in all directions. P and Q are separated by a whole number of wavelengths. The line RS is perpendicular to the line joining P and Q, and halfway between P and Q.



Along which of the lines PQ and RS do the waves superimpose to produce stationary waves?

- A both PQ and RS
- B PQ only
- C RS only
- D neither PQ nor RS