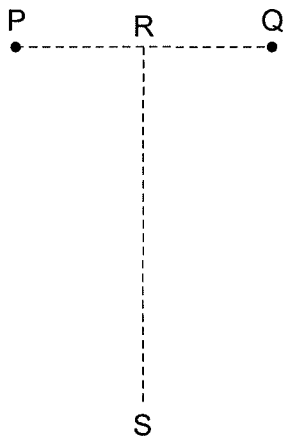


- 20** Coherent waves are produced at P and Q and travel outwards at the same speed in all directions. P and Q are separated by a whole number of wavelengths. The line RS is perpendicular to the line joining P and Q, and halfway between P and Q.



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