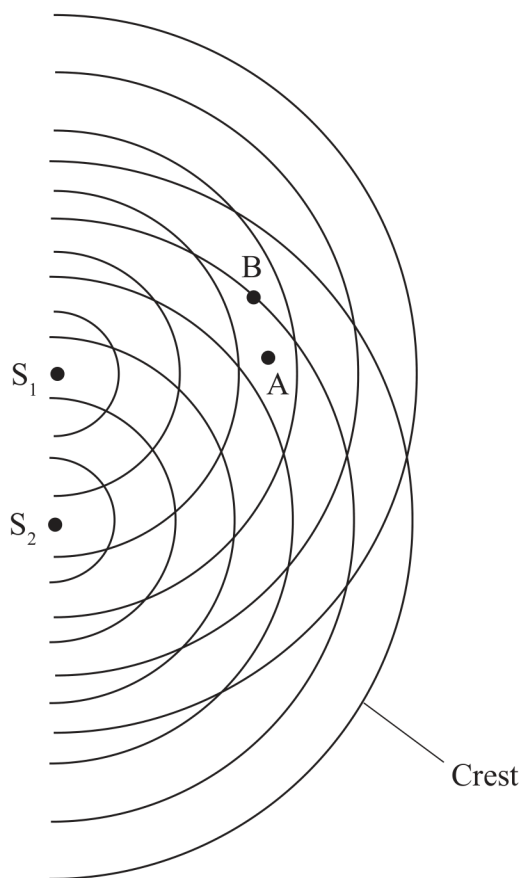


- 12 A student investigated the superposition of water waves in a ripple tank. There are two sources of waves S_1 and S_2 , which are in phase.

The diagram shows the positions of successive crests of each wave at an instant in time.



Explain the type of superposition taking place at position A and at position B on the diagram. (4)

Position A

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.....
.....

Position B

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.....
.....

(Total for Question 12 = 4 marks)

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