

- 16** Two coherent light waves that are same plane polarized of equal frequency and intensity superpose at a point that is equal distance from the two sources. The intensity of light at that point is twice the intensity of light due to either wave alone.

What is a possible phase difference between the two waves at that point?

- A** $\frac{\pi}{2}$ **B** π **C** 2π **D** 3π