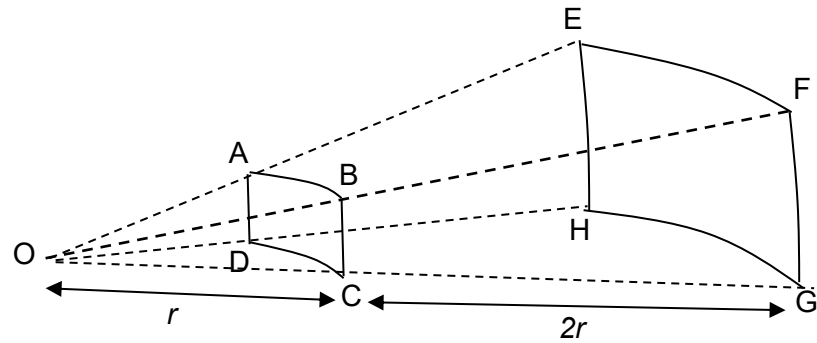


- 21** Waves from a point source O pass through a section of a spherical surface $ABCD$ with the point source at the center of the sphere. The spherical surface $ABCD$ is at a distance r from the source and spherical surface $EFGH$ is the projection of surface $ABCD$ at a distance of $3r$ from the source.



Within surface $ABCD$, the intensity of the waves is I and their amplitude is A .

What will be the intensity and the amplitude of the waves when they reach surface $EFGH$?

	intensity	amplitude
A		
B		
C		
D		

