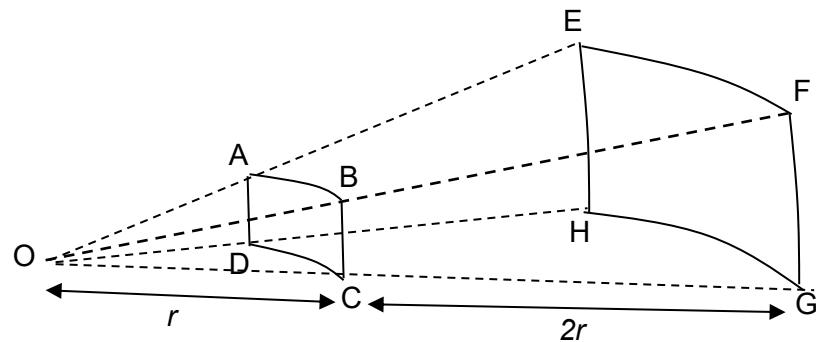


- 21 Waves from a point source O pass through a section of a spherical surface ABCD with the point source at the center of the sphere. The spherical surface ABCD is at a distance r from the source and spherical surface EFGH is the projection of surface ABCD at a distance of $3r$ from the source.



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		

