

- 19** Three telescopes of different diameters are designed to observe an astronomical object at different wavelengths as shown below.

telescope	diameter / m	observation wavelength / nm
(i)	1.0	500
(ii)	2.0	100
(iii)	3.0	1000

Which of the following ranks the telescopes from the one with the worst resolution to the one with the best resolution?

- A** (i), (ii), (iii)
- B** (i), (iii), (ii)
- C** (ii), (iii), (i)
- D** (iii), (ii), (i)