

- 21 A spring is stretched over a range within which elastic deformation occurs. Its spring constant is  $3.0\text{ N cm}^{-1}$ .

Which row, for the stated applied force, gives the correct extension and strain energy?

	force /N	extension /cm	strain energy /mJ
<b>A</b>	3.0	1.0	1.5
<b>B</b>	6.0	2.0	120
<b>C</b>	12.0	3.0	180
<b>D</b>	24.0	8.0	960

- 22 Which statement about different types of electromagnetic waves is correct?