

Mark schemes

1. A

$$\frac{mg\Delta L}{2}$$

[1]

2. A

$$\frac{F\rho L^2}{m\Delta L}$$

[1]

3. C

$$\frac{\rho}{4} \quad \frac{E}{4}$$

[1]

4. D

[1]

5. D

[1]

6. B

[1]

7. D

[1]

8. B

[1]

9. B

[1]

10. C

[1]