Mark Scheme

Q1.

D

[1]

Q2.

A

[1]

Q3.

B

[1]

Q4.

A

[1]

Q5.

(a) (i) $pd_{AB} = \frac{2}{3} \times 12 = 8$ V **(1) (1)**

(ii) $pd_{BC} = (\frac{1}{3} \times 12) = 4$ V **(1)**

(iii) pd_{AC} = potential at A – potential at C **(1)**
= (8 – 4) = 4 V **(1)**
(allow e.c.f. from (i) and (ii))

(5)

[10]

Q6.

A

[1]

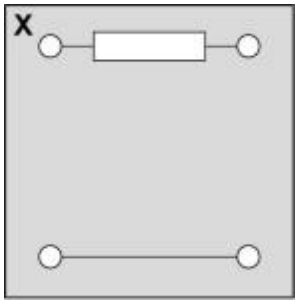
Q7.

D

[1]

Q8.

D



[1]