

2.1 Define the term *moment of a force*. (1)

2.2

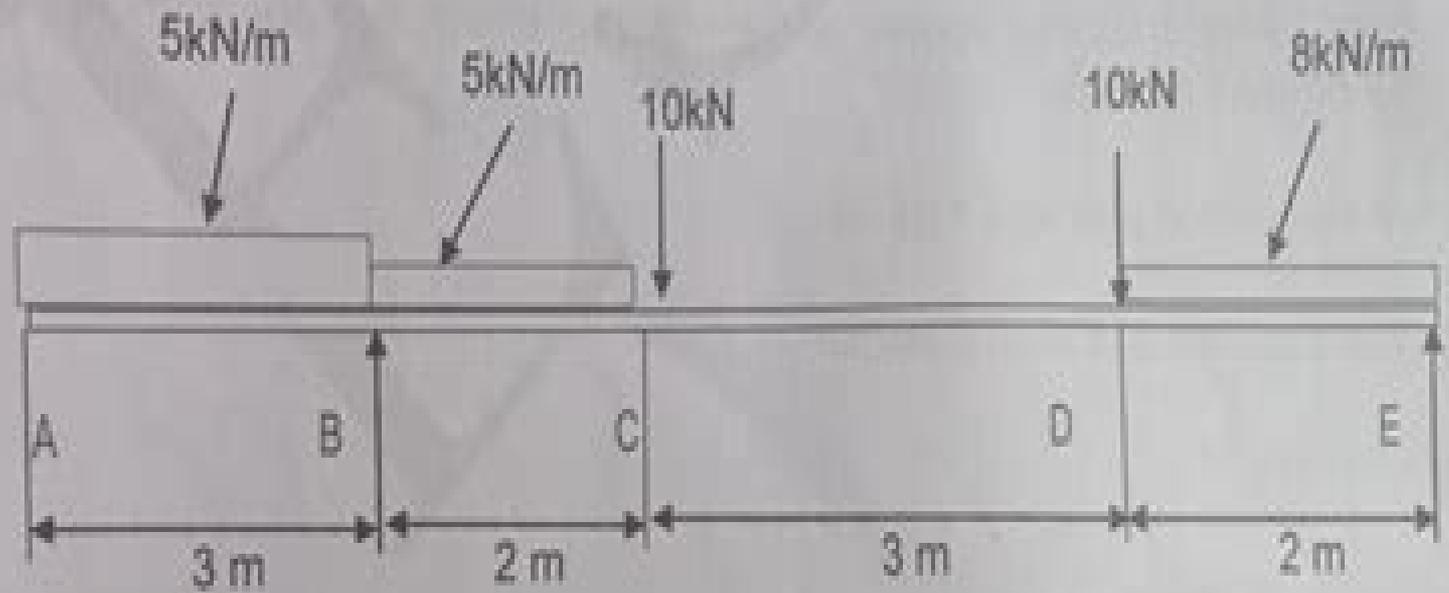


FIGURE 1

FIGURE 1 above shows a light horizontal beam ABCDE of uniform cross-section, loaded as shown.

2.2.1 Calculate the magnitude of the reactions of supports B and E. (4)

2.2.2 Draw the shear-force diagram. (5)

[10]

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