

The Education Center:

Senior Cambridge Section

Physics:

Q.1 (a) Classify the following quantities in to Scalars & Vectors. Also give the definition of vector quantities only:

(02 marks)

Speed, Force, Work, Torque

Q.1 (b) State Resolution of a Vector:

(01 mark)

Q.1 (c) Write the Rectangular Components of a vector:

(01 mark)

Q.1 (d) Define friction:

(01 mark)

Q.1 (e) Define Momentum. Write its S. I unit:

(01 mark)

Q.2 State the Difference between:

a). Distance & Displacement:

(01 mark)

b). Mass & Weight:

(01 mark)

c). Rest & Motion:

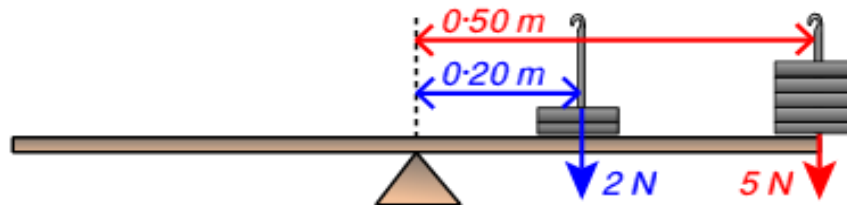
(01 mark)

d). Acceleration & Retardation:

(01 mark)

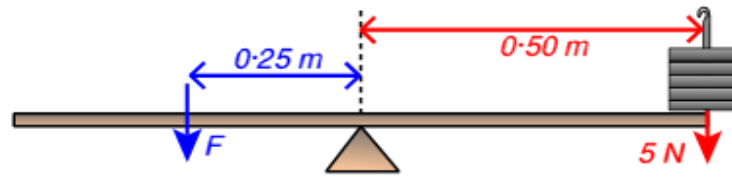
Q.3 Write the equation for acting torque in each of the following numerical. Also calculate the force to balance the beam:

(15 marks)

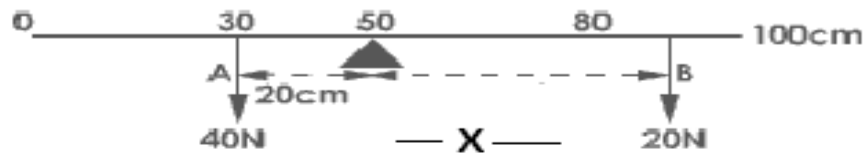


www.tec.edu.pk

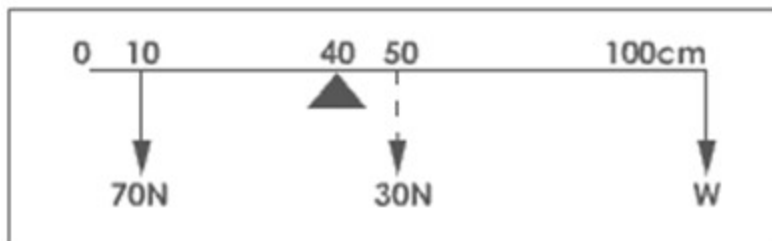
The Education Center:



www.tec.edu.pk



www.tec.edu.pk



www.tec.edu.pk