

SMART EXAM RESOURCES
SUBJECT: COORDINATED SCIENCES [PHYSICS]
PAPER 4
HOOKE'S LAW
SET 1 QP-MS

1 Fig. 3.1 shows a man bungee-jumping from a bridge.

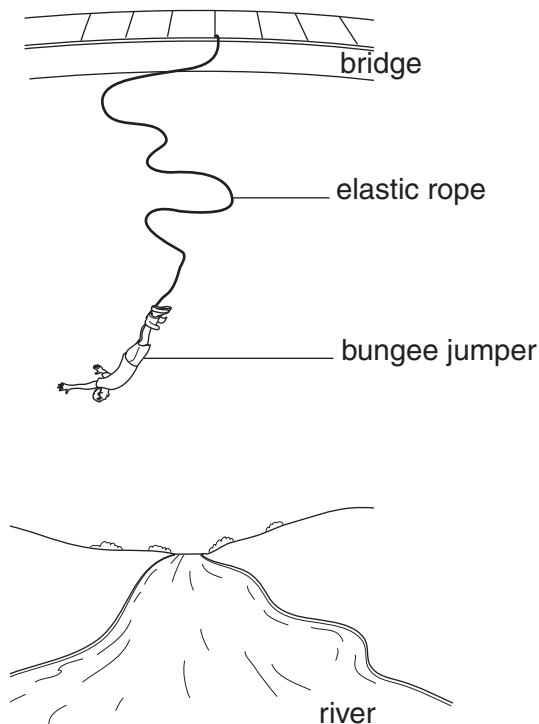


Fig. 3.1

The man is attached to one end of an elastic rope. The other end of the rope is attached to the bridge. The man jumps from the bridge.

(b) The rope is elastic and behaves like a spring. A perfect spring will obey Hooke's Law.

State Hooke's Law.

.....
.....[1]

MARK SCHEME:

the extension of an elastic object is <u>directly</u> proportional to the force applied to it ;	1
---	----------