Q 1 For the simply supported beam shown in the figure given below, at what distance from the support A, is the shear force zero?



is the bending moment diagram for ener Eanny Merce the vertical cantilever beam loaded as shown in the figure ?

At what distance from left support of the above beam, is the shear force zero?

m

▶**∢** 1 m →

a. 1m

Q3

- b. 1.25 m
- c. 1.5 m
- d. 2.5 m

Q 4 A simply supported beam AB of span L carries two concentrated loads W each at point I?3 from A and B. what is the S.F in the middle one-third portion of the beam?

a. W/2 ^b **PBXAM.O**P(WWW.EV





- c. A central concentrated load and a U.D.L over the entire span
- d. A couple anywhere in the span

E alm Merel Q 12 The bending moment diagram of a beam is shown in the figure.

The shear force diagram of the beam is represent by

E

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B

(c)

Q 13 A rigid bar shown in the figure is hinged at A, is supported by a rod at B, and carries and load W at C.

č



The resistive force in the rod is

- a. 0.5 W
- b. **1.0W** c. 1.5 W

d. **2.0W**

WWW.