

QUESTION

1. A rectangular frame is subjected to a uniformly distributed load of 10 kN/m over the top horizontal member. The frame consists of two vertical members of height 4 m and two horizontal members of length 6 m. The left vertical member is fixed at the bottom. The right vertical member is supported by a roller at the bottom. The top horizontal member is supported by a roller at its right end. The frame is shown in the figure below.

2. Determine the reactions at the supports.

