Q 1: For the truss shown in figure, determine the forces in members (KJ, KC, and BC) and state if the members are in tension or compression.

NOTE:
A – Hinge (pin) and G – Roller.

Solution:
Q 2: For the beam (ABC) shown in figure, determine the reactions at the supports (A) and (B). Neglect the weight and thickness of the beam.

NOTE:
A – Hinge (pin) and B – Roller.

Solution: