CHRIST (DEEMED TO BE) UNIVERSITY

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2024-25

COURSE NAME: BASICS OF CIVIL ENGINEERING AND ENGINEERING MECHANICS

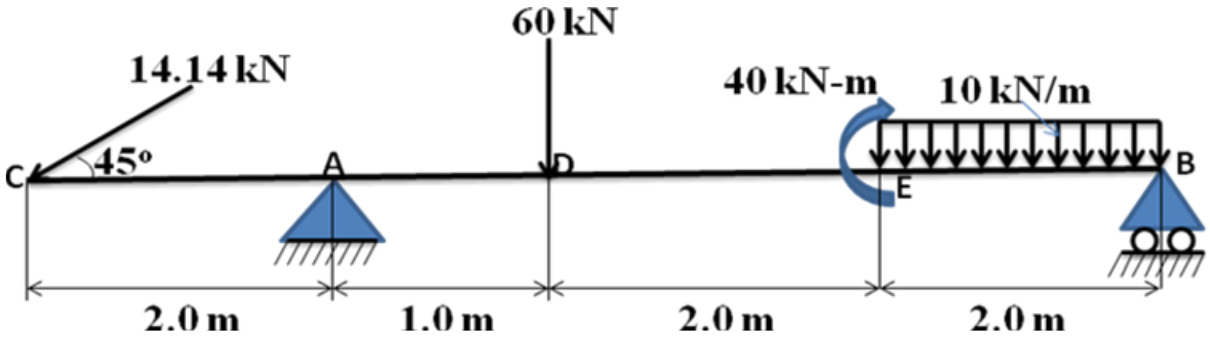
COURSE CODE : CE 234P

CIA 3

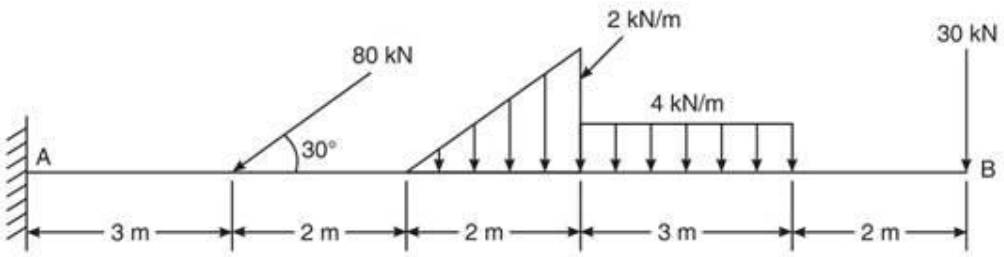
INSTRUCTIONS:

WRITE/TYPE THE ANSWERS AND UPLOAD IT IN GC ON OR BEOFRE 16th March 2025

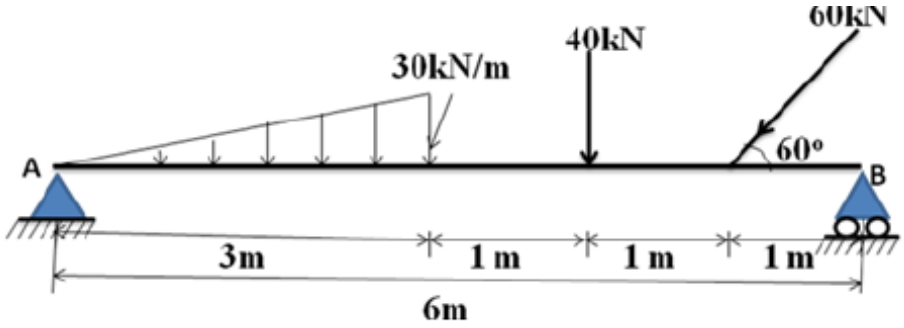
1. Determine the support reactions for the beam supported and loaded as shown in the figure. [CO 4]



2. Calculate the reactions for the cantilever beam shown in figure. [CO 4]



3. Calculate the reactions for the beam shown in figure. [CO 4]



4. Determine the reactions at A and E for the beam shown in figure [CO 4]