Unit 3 - Week 2

Assignment 2

Assignment submitted on 2023-03-01, 11:05 IST

1. Please construct the following free-body diagrams for the given structures:
   a. [Diagram 1]
   b. [Diagram 2]
   c. [Diagram 3]

2. A truss is shown below. Find the forces in each member and label them.

3. A truss is shown below. Determine the reactions at the supports and label them.

4. A truss is shown below. Calculate the internal forces in each member and label them.

5. A truss is shown below. Draw the free-body diagram and determine the reactions at the supports.

6. A truss is shown below. Find the internal forces in each member and label them.

7. A truss is shown below. Calculate the reactions at the supports and label them.

8. A truss is shown below. Draw the free-body diagram and determine the reactions at the supports.

9. A truss is shown below. Find the internal forces in each member and label them.

10. A truss is shown below. Calculate the reactions at the supports and label them.