

Chandrapal

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATION

M.Tech. (SE) - Ist Semester

COURSE CODE: 11M1WCE111

MAX. MARKS: 35

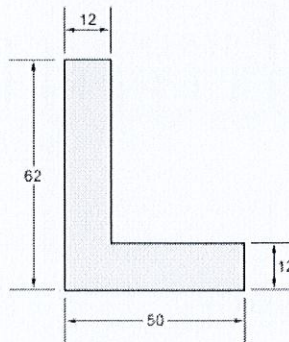
COURSE NAME: Advanced Structure Analysis

COURSE CREDITS: 03

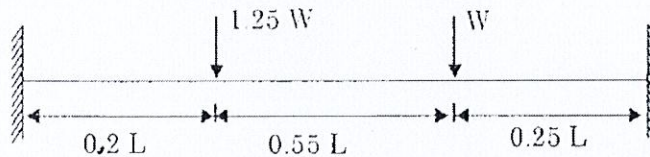
MAX. TIME: 2 Hours

*Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.*

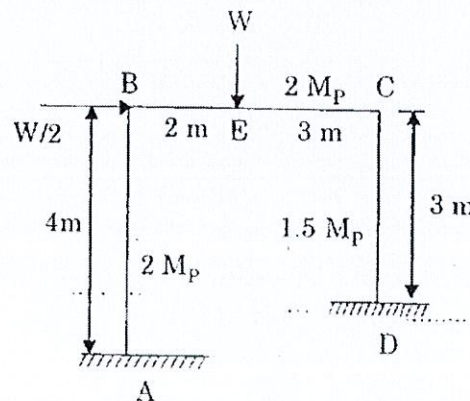
Q.1. Find the shape factor for the given section. All dimensions are in mm. (6)



Q.2. Find the collapse load for the given beam. (6)

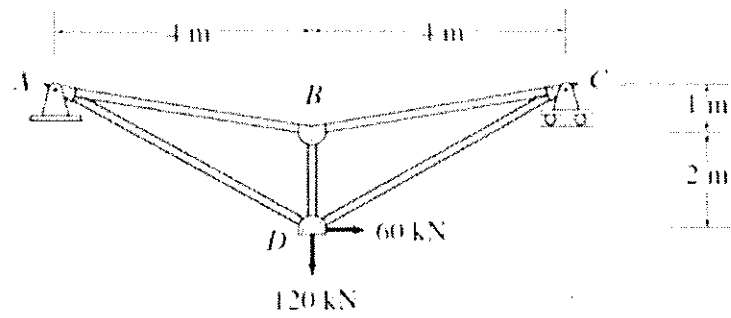


Q.3. Find the collapse load for the given frame. Plastic moment of each member is mentioned in figure. (8)



Q.4. Solve the given truss by using Matrix Method.

(8)



Q.4. Solve the given beam by using Matrix Method.

(7)

