

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- Feb - 2018

B.Tech. VI Semester

COURSE CODE: 10B11CE615

MAX. MARKS: 15

COURSE NAME: Advanced Structure Analysis

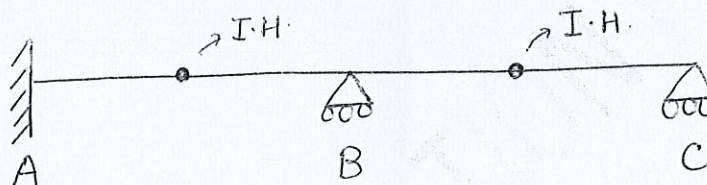
COURSE CREDITS: 04

MAX. TIME: 1 Hrs

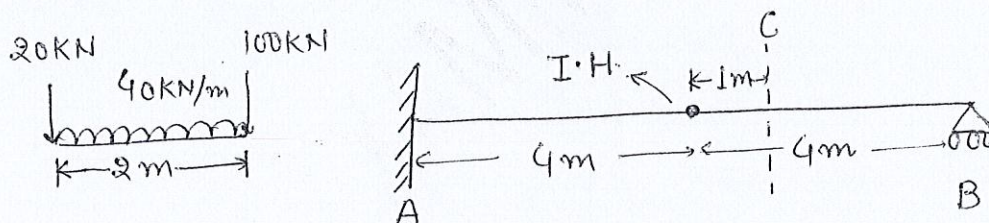
*Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means. Assume any data if required*

Q.1. Define Influence Line Diagram & its use in real life. (2)

Q.2. Draw the influence line diagram for support reaction at B and bending moment at support A and B for the given beam by using Muller Breslau Principle. (3)



Q.3. For the given combination of loading moving from left to right find the maximum value of shear force and bending moment at section C. (5)



Q.4. Draw the ILD for member CD, JD & ID for the given truss. (5)

