JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT TEST -1 EXAMINATION- 2016

B.Tech. - VI Semester

COURSE CODE: 10B11CE615

MAX. MARKS: 15

COURSE NAME: ADVANCED STRUCTURAL ANALYSIS

COURSE CREDITS: 04

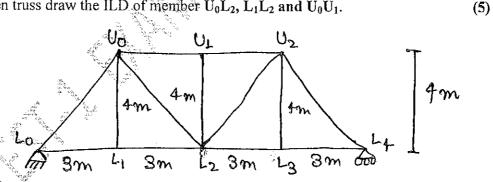
MAX. TIME

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

Q.1. Draw the Influence Line diagram of mentioned support reactions in structure given below by Muller Breslau method. **(4)**



Q.2. For the given truss draw the ILD of member U₀L₂, L₁L₂ and U₀U₁.



Q.3. A triangular load is moving from left to right on the given beam. Find the maximum value of R_B, R_D, shear force and bending moment at section C. **(6)**

