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

B.Tech 7th Sem/ M.Tech 1st Semester

COURSE CODE: 11M1WCE113

MAX. MARKS: 15

COURSE NAME: DESIGN OF REINFORCED CONCRETE STRUCTURES

COURSE CREDITS: 03

MAX. TIME: 1Hr

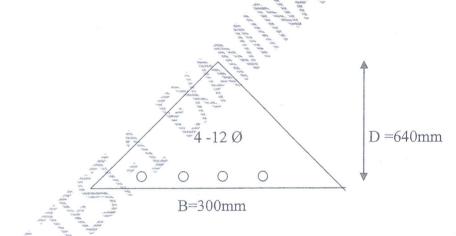
Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.

Q1.

(5)

(5)

- a) Explain the yield line theory for slabs
- b) What are the Properties of yield lines?
- Q2. Find the moment of resistance of a triangular section 600mm deep and 300mm wide is reinforced as shown in the fig. Use WSM. M15/Fe250. Effective cover is 40mm



Q3.

(5)

- How the stability of Retaining wall is examined?
- For the given retaining wall calculate the net horizontal pressure and also find the pint of acting?

