

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION- March-April 2017

M.Tech II Semester

COURSE CODE: 10 M11CE215

MAX. MARKS: 25

COURSE NAME: Sustainable design and construction

COURSE CREDITS: 03

MAX. TIME: 1.5 Hrs

Note: All questions are compulsory. Carrying of mobile phone during examination will be treated as case of unfair means. Assume suitable data if required. Notation has its usual meaning.

- Q1.** What do you understand by Indoor Environmental quality? What types of problems are faced due to poor IEQ? Discuss the issue in term of its major parameters. [5]
- Q2.** How green building materials helps in sustainable development? Explain the advantages of hollow concrete blocks and fly ash bricks as green building material. [5]
- Q3.** What different criteria should be fulfilled by green building? What are merits and demerits of green building? [4]
- Q4.** How can we understand that our present system is unsustainable? How can we establish a sustainable system? Express your views to overcome the problem of unsustainability. [5]
- Q5.** Explain briefly [6]
- (a) Air conditioning with NON HCFC refrigerants
 - (b) Advantage s of Triple glazed windows