

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATION- May 2017

M.Tech IInd Semester

COURSE CODE: 10M11CE215

MAX. MARKS:35

COURSE NAME: Sustainable Design and Construction

COURSE CREDITS: 03

MAX. TIME: 2 Hrs

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

- Q1. What is Green Building? What different criteria should be fulfilled a building to be a Green building? What are the merits and demerits of Green Building? [7]
- Q2. What do you understand by Environmental Ethics? Explain Planetary Management, Stewardship and Environmental Wisdom. [5]
- Q3. What do you understand by Environmental Ethics? Explain Planetary Management, Stewardship and Environmental Wisdom. [5]
- Q4. Explain briefly how does Sustainable buildings helps in following [6]
- a). Water Conservation
 - b). Waste Reduction
 - c). Energy Efficiency
- Q5. What is building Envelope? Define its various types with respect to climatic variations. How is envelope energy flow. Discuss various methods to prevent energy flow from inside of a building. [6]
- Q6. Explain in detail the design sequence of Diffused Day lighting. [6]