JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATION- May-2019

M.Tech. (CM) IInd Semester

COURSE CODE: 10M11CE213   MAX. MARKS: 35

COURSE NAME: Construction Cost Analysis

COURSE CREDITS: 03   MAX. TIME: 2 Hour

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

Q1. In Earned value management (EVM) explain the following terms:

a) The planned value (PV), b) The actual cost (AC), c) The earned value (EV), d) Cost variance (CV), e) Schedule variance (SV), f) Cost performance index (CPI) and, g) Schedule performance index (SPI). **(9)**

Q2. For cost estimating of Engineering projects below mention terms are commonly used. Explain each one of them.

a) ballpark, b) Appropriation estimate, c) Budget estimate, and d) Definitive estimate. **(9)**

Q3. What is whole-life costing? What is the relevance of WLC? List & explain the basic steps in WLC.

(9)

Q4. Write detailed notes on,

a) Present-day value, b) Annual equivalent, and c) PAYMENT SYSTEMS AND CONTRACT ADMINISTRATION, and d) differentiate between Cost estimating on civil engineering projects and Cost estimating on building projects. **(8)**