

Anil Kumar

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- August 2017

M.Tech. 1st Semester (CM)

COURSE CODE: 10M11CE115

MAX. MARKS:15

COURSE NAME: **Mechanical and Electrical Systems in Buildings**

COURSE CREDITS: 03

MAX. TIME: One Hr

Note: All questions are compulsory. Every question carries 3 marks.

Carrying of mobile phone during examinations will be treated as case of unfair means.

- Q.1. Draw a simple sketch for a typical configuration with pump and Bridge Valve locations?
- Q.2. Describe the functions of a residential plumbing system. What are its main components?
- Q.3. Explain with the help of a neat sketch the working of a Compressive refrigeration cycle.
- Q.4. Write the minimum steps which are recommended to taken to minimize occurrence of a fire.
- Q.5. What are cooling-only systems? Describe any one in detail.

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