

**DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY,  
LONERE – RAIGAD -402 103**

**End Semester Examination – OCT/NOV – 2018**

Branch: M.Arch (GEN)

Sem: III

Subject:- Advanced Building Technologies

Subject Code: MAR20300004

Marks: 60

Date: 26/10/2018

Time: - 3 Hrs.

Instructions: - 1. Q. No. 1 is compulsory.

2. Answer any FOUR out of the remaining.

Q. 1 Answer in single sentence / filling the blanks / match the columns / True or false 20 Marks

- 1) \_\_\_\_\_ is a computer-based control system installed in buildings that controls and monitors the building's mechanical and electrical equipment such as ventilation, lighting, power systems, fire systems, and security systems.
  - a. central processing unit (CPU)
  - b. Structural health monitoring System (SHM)
  - c. Building management system (BMS)
  - d. None of above
- 2) \_\_\_\_\_ is a highly energy efficient system that provides air-conditioning in various zones of the city or neighborhood.
  - a. HVAC
  - b. VRF Variable Refrigerant Volume
  - c. VRF Variable Refrigerant Flow
  - d. District Cooling System
- 3) Fire extinguishers with a \_\_\_\_\_ rating are effective against fires involving paper, wood, textiles, and plastics.
  - a. Class A
  - b. Class B
  - c. Class C
  - d. Class D
- 4) \_\_\_\_\_ is a philosophical movement that, along with cultural trends and changes, arose from wide-scale and far-reaching transformations in Western society during the late 19th and early 20th centuries.
  - a. Modernism
  - b. Postmodernism
  - c. contemporary
  - d. None of the above
- 5) \_\_\_\_\_ is used to describe a situation in which the occupants of a building experience acute health- or comfort-related effects that seem to be linked directly to the time spent in the building.
  - a. Asthma
  - b. The sick building syndrome
  - c. Blackout
  - d. Structural health monitoring