

Course No: ARCH 3311  
Course Title: Building construction I  
Date: 2018/10/24  
No. of Questions: (2)  
Time: 1 hour

University of Palestine



Midterm Exam  
2019/2018  
Total Grade: 15

Instructor : Arch. Zahi Alrayyes  
Student No.: \_\_\_\_\_  
Student Name: \_\_\_\_\_  
College Name: Engineering  
Dep. / Specialist: Architecture

**First question: Type the scientific term: (6 degrees)**

1. (.....) Is an early structural system, where the live and dead load resting upon walls.
2. (.....) are movable loads which may not be present all the time.
3. (.....) the main part of the building which carries and transfer the loads both vertical and lateral safely to the soil through the foundation.
4. (.....) It's the arrangement of blocks in certain systems.
5. (.....) Use to bond blocks together in order to resist forces.
6. (.....) Type of brick use in the countries that have rivers and where the clay located.

**Second question: Compare between the following briefly using sketches:(4degrees)**

1. One and two layer blocks
2. Physical and compression test for cement block
3. Drop panel and drop beam

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4. Dropped and inverted beams

**Third question: Answer the following questions briefly using sketches: (5degrees)**

1. Shampoo and lime are mortar additives explain their advantages and disadvantages.(2.5 mark)
  
2. Explain the difference between compression and tension materials, give example for each.(2.5 mark)

*Good Luck*