# University of Palestine Faculty of Applied Engineering and Urban Planning

| Course Name   | <b>Building Construction 2</b> |          |                 | Course | No. | ARCH 3316               |
|---------------|--------------------------------|----------|-----------------|--------|-----|-------------------------|
| Academic Year | 2018/2019                      | Semester | 2 <sup>nd</sup> | Exam T | уре | 2 <sup>nd</sup> Midterm |
| Exam Date     | 18/04/2019                     |          | Exan            | n Time | 12  | 2pm – 13pm              |

|           |       | الرقم الجامعي:     |                    | اسم الطالب( بالعربي):              |
|-----------|-------|--------------------|--------------------|------------------------------------|
| المتسلسل: | الرقم | وقت المحاضرة:11-12 | رقم الشعبة:101-701 | اسم المدرس: م. نضال رسمي أبو مصطفى |

# **Important Instructions**

- This is a closed-book exam; all related material must be placed away from your desk.
- <u>Cell phone use is prohibited for any purpose</u>: Your cell phone must be turned off and placed off of the desk. Cell phones may not be accessed during the exam. Failure to comply may be treated as a violation of the Honor Code.
- <u>Headphones of any kind are not permitted.</u>
- This exam is 60 minutes long.
- Make sure that you have 4 pages including this page.
- This exam has 10 essay questions. Read each question carefully before answering.
- Calculators can be used <u>but cannot be shared</u>.
- When you finish, you must:
  - Check that you have written your information in the spaces provided.
  - Give the exam package (all papers) to the proctor before you leave.

### For Teacher's Use OnlyFor Proctor's Remarks

| QN | KPI/ILO | SO  | DL | Mark | Weight |
|----|---------|-----|----|------|--------|
| 1  | B1      | B,c | 3  |      | 5      |
| 2  | B1      | J,e | 5  |      | 5      |
| 3  | B1      | c   | 4  |      | 4      |
| 4  | B2      | i   | 2  |      | 6      |
|    |         |     |    |      |        |
|    |         |     |    |      |        |
|    |         |     |    |      |        |
|    |         |     |    |      |        |
|    |         |     |    |      |        |
|    |         |     |    |      |        |
|    | Total   |     |    |      | 20     |

KPI: Key Performance Indicator, ILO: Intended Learning Outcomes, SO: ABET Student Objectives, DL: Difficulty Level (1. Very easy, 2. Easy, 3. Moderate, 4. Somewhat hard, 5. Hard, 6. Very Hard)

# Q1: Put (T) or (F) for each of the following. (5 marks).

- 1. ( )UPVCwindows are good electrical insulation while aluminumwindowsare good conductors.
- 2. ( ) Oil paint needs a very soft plastering but in water or plastic paint, a coarse plastering is preferred.
- 3. ( ) Ceramic is used in areas exposed highly to friction.
- 4. ( ) Porcelain tile floors are perfect for high traffic environments.
- 5. ( ) plasterer's mixing bath is absolutely essential if you want to have flat surfaces and even finishes.

### Q2: Write the scientific term. (5 marks).

1.( ) A mechanical bearing that connects two solid objects, typically allowing only a limited angle of rotation between them.

2.( ) A temporary structure used to support a work crew and materials and to get access to heights and areas that would be otherwise hard to get to.

3.( ) Small pieces of plastic used to space tiles an equal distance from each other, they will help you get all of your tiles lined up properly.

4. ( ) Doors are fixed on pivot hinges which open the leaves to  $90^{\circ}$  on either side of the opening.

5. ( )Tool used by plasterers for trimming small areas that needed extra attention, they are between 12-15cm in length.

| Q1 | 1. | 2. | 3. | 4. | 5. |
|----|----|----|----|----|----|
| Q2 | 1. | 2. | 3. | 4. | 5. |

Q3: Talk about the following (4 marks).

1. Revolving door.

2. Drumming in plastering and its causes.

3. A concrete tile layer is required for a part of surface with dimensions of 10m x 5m and 1% slope.

4. Hard wood.

# Q4: What is the difference between (6 marks).

| 1.                        | Flush door                 | Panels door                 |
|---------------------------|----------------------------|-----------------------------|
| Definition with<br>Sketch |                            |                             |
| 2.                        | Render layer in plastering | Setting layer in plastering |
| Definition and benefits   |                            |                             |
|                           | Methods of paving          | tiles                       |
|                           | Chess method               | Belts method                |
| Sketch                    |                            |                             |

#### End of Questions Good Luck