

Course No: ARC  
Course Title: Architecture in  
Palestine  
Date:08/01/2018  
No. of Questions: (3)  
Time: two hours  
Using Calculator (No)

University of Palestine



Final Exam  
2017/2018  
Total Grade:50%

Lecturer: Dr. Hazem Abu-Orf

Student No.: \_\_\_\_\_  
Student Name: \_\_\_\_\_  
College Name: \_\_\_\_\_  
Dep. / Specialist: \_\_\_\_\_  
Using Dictionary (No)

الإجابة على ورقة الأسئلة...

**Question One: (10 Marks)**

**Q1 A) Choose the right answer (5 Marks)**

**1) The key characteristics to visual corridors might be**

- A) determining the height of a window as determined from the interior B) When interior level appreciably lower than the street C) As determined from the exterior D) When level of street and interior are approx. the same E) All options

**2) A coherent composition of Palestinian towns consists of**

- A) a classical linearity, with a clear east-west linear conception  
B) right-angled geometrical regularity  
C) residential units, some dwellings each included a Diwan, hush and lastly single houses  
D) Al-Hara, alleys called avenues, and twisted doorways  
E) Neither of the above options

**3) The Roman- and Byzantine era in traditional architecture to be found in Palestine shows a single-space village house that is distinguished by**

- A) interior spaces marked by elevated platform B) a basic topology marked by depressed square in the door, a Diwan and a gallery floor C) domed vault or a folded vault  
D) one or two story regular structure E) all the above

**4) The distinction to a gallery house lies in**

- A) a covered terrace on one side which is called 'liwan'  
B) a cluster of rooms that might be roofed by a groin vault or a shallow dome  
C) an interior space produced by a similar repetition of the basic initial unit  
D) either an open and, equally, a transitional space that ties varying space's components or a covered open space labeled as a 'riwaq'  
E) Neither of the above

**5) The room against which two laminated vaults are leaning, balancing each other and therefore resulting in symmetrical space dimension**

- A) A masonry cross vault construction  
B) domical square spaces executed in stone  
C) Pointed and rib vaults, with Roman technique of Hollow-cell vaulting  
D) 2-way-bay flow, with intersecting oblong or square bay  
E) Neither of the above

**Q1 B) tick  $\sqrt$  or X for the below statements (5 Marks)**

- ( ) Palestinian towns refer in their urban construction to courtyard system and Roman street layout, identified as the 'cross' and is considered as the main circulation within the quarters while connecting the routes to the downtowns  
( ) 'Al-mantarah', or a Palestinian-dry stone hut, might have a sophisticated circular form due to the equilateral triangle

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- ( ) The central hall house is a successor of the liwan, with its arched passage, and also the 'riwaq' house types
- ( ) Transverse arch, or its variations, is mainly used to support rafted ceiling and is shaped in one line or rows as a triple horse arch-shaped inner arcade
- ( ) Linear corbel stone ceiling uses in its structure transverse arch, walls or pillars as loading bearing, in addition to corbel stone to achieve balance and stone block considered as beams

Question Two: (20 Marks)

2A) Circle one appropriate concept related to each figure cited below (15 Marks)

<ul style="list-style-type: none"><li>1- Pointed arch</li><li>2- Timber beam</li><li>3- Semi-circular arcade</li><li>4- transverse arch made of Basalt stone</li><li>5- 'Sabat'</li></ul>	
<ul style="list-style-type: none"><li>1- Key stone decoration</li><li>2- Flat lintel</li><li>3- Decorative brackets</li><li>4- Arch-shaped decoration</li><li>5- A stone lintel decoration</li></ul>	

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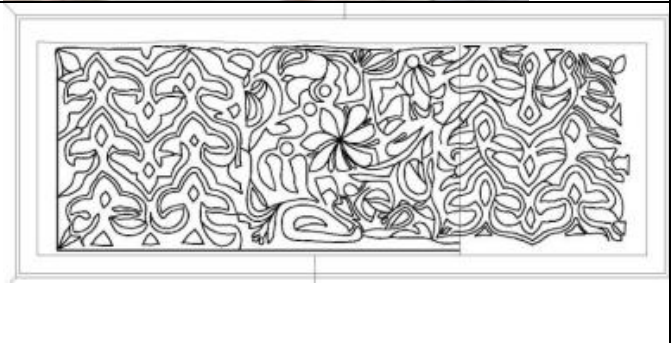


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<ol style="list-style-type: none"><li>1- Hearing-bone masonry</li><li>2- layered quarry-stone masonry</li><li>3- ashlar masonry</li><li>4- masonry technique as punched window façade</li><li>5- 1 &amp; 4</li></ol>	
<ol style="list-style-type: none"><li>1- Flat lintel &amp; segmented solid bock arch</li><li>2- Semi-circular lintel</li><li>3- Flat &amp; semi-circular lintel</li><li>4- Arch lintel and shouldered arch</li><li>5- Neither of the above</li></ol>	
<ol style="list-style-type: none"><li>1- A repetition strategy</li><li>2- Geometrical decoration</li><li>3- Decorative rule: alternation</li><li>4- Inscription on stone</li><li>5- Symmetrical decorative pattern</li></ol>	
<p>Types of decoration:</p> <ol style="list-style-type: none"><li>1- Linear units</li><li>2- Geometrical decorative pattern</li><li>3- Plants decorative pattern</li><li>4- Star dishes</li><li>5- Decorative pattern with spaces left</li></ol>	

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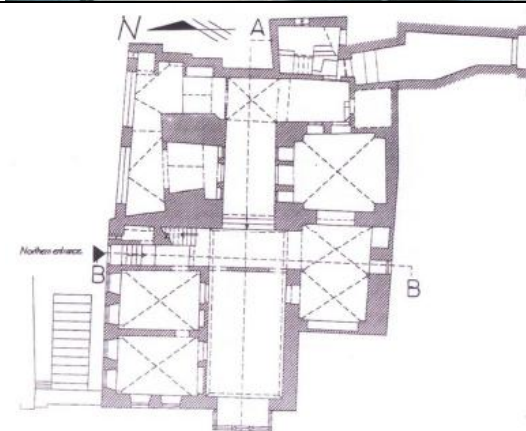
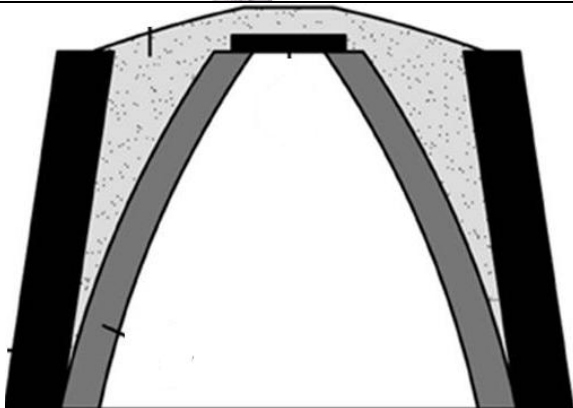


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<ol style="list-style-type: none"><li>1- Opening/semi-circular lintel</li><li>2- Twin window</li><li>3- Semi-circular twin window</li><li>4- Semi-circular profiled twin window</li><li>5- Semi-circular twin window</li></ol>	
<ol style="list-style-type: none"><li>1- Transverse arch</li><li>2- Stone arches</li><li>3- Stone block</li><li>4- Linear corbel arch</li><li>5- Interior arch arcade</li></ol>	
<ol style="list-style-type: none"><li>1- 'Liwan' house</li><li>2- Central hall house</li><li>3- 'Riwaq' house</li><li>4- Courtyard house</li><li>5- None of the above</li></ol>	
<ol style="list-style-type: none"><li>1- Corbelled stone</li><li>2- Vertical revetment</li><li>3- equilateral triangle</li><li>4- Corbelled vault</li><li>5- All the above</li></ol>	

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- 1- Roman origin of urban fabric
- 2- Right angled circulation
- 3- Classical linearity
- 4- Cul-de-sac alleys
- 5- Geometrical regularity



- 1-Bay window
- 2- Fina
- 3- Sabat
- 4-Visual corridor
- 5-None of the above



**2 B) Match the concepts cited in column A with their description cited in column B (5 Marks)**

- 1) equilateral triangle
- 2) 'rojoom'
- 3) Semi-circular relieving arch
- 4) Vibrant core
- 5) Hollow cell vaulting

- ( ) a wedge-shaped clay cell vaulting that forms an arch when placed upon a centering
- ( ) the cross section formed at the inclination of the walls from base to apex
- ( ) a curved enclosure walls and have multiple staircases
- ( ) stones of various sizes; these were mostly gathered from the site in the course of preparing the land for cultivation and stacked in heaps
- ( ) extended at its ends
- ( ) The standard unit of construction in Palestine
- ( ) it is a social meeting point



الإجابة على ورقة الأسئلة...

Question Three: (20 Marks)

<p>1) 2) 3)</p>	
<p>1) 2)</p>	
<p>1) 2) 3) 4) 5) 6)</p>	
<p>1) 2) 3) 4) 5) 6) 7) 8)</p>	
<p>1) 2) 3)</p>	

End of Questions