


Course No : AIEN 314	University of Palestine	Instructor: Dr. Ali I. Tayeh
Course Title : Materials and Construction Technology		Student No.: _____
Date :21/05/2011		Student Name: _____
No. of Questions: 5	Final Exam	College Name: _____
Time : 2 hours	2ed quadmester 2010/2011	Dept./ Specialist: _____
Using Calculator (Yes)	Total grade : 60	Using Dictionary (No)

Exam Instructions: Answer All Questions.

(Q-1) Mark True (T) or False (F) for each of the following :

1. () Success of paint works is depend on the good preparation of the surface and selection of a good type of paints.
2. () If the slump value of concrete is high, it mean that the workability of this concrete sample is low.
3. () One of the advantages of polycid Paints is more expensive than other types of paints.
4. () The compressive strength of a hollow blocks must be more than 40 kg/cm².
5. () One of the advantages of Supercryle Paints is have a good bonding with walls.
6. () Mortar used for block works consists of Portland cement, sand and water only.
7. () Solid blocks are very good for internal walls because its weighs is very heavy
8. () Before plastering works all small openings in walls resulted from electrical and plumping establishments shall be closed.
9. () The base coat for painting wood doors is sandkselar.
10. () Damaged materials shall not be used in the Plastering works.

(Q-2) A. What are the main advantages of bricks ?

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B. If you want to paint a room with dimensions (4.00 X 6.00) m², determine the preferable types of paints for painting the ceiling and internal walls ? and what are the main steps of painting this room (the internal walls & the ceiling) ?

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(Q-3) A. Which of the following samples of blocks are accepted and which are rejected ?

Block	Expected Dim. (cm)	H (mm)	T (mm)	L (mm)	Accepted or Rejected
1	40*20*20	201	198	404	
2	40*20*10	200	101	402	
3	40*20*20	201	204	402	
4	40*20*20	204	202	401	
5	40*20*20	206	205	405	

B. Explain the advantages and uses of Timber. (with sketch)

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C. What can be used to slow the hardening of concrete (give example?).

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(Q-4) A. What are various defects which may develop in painting?

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B. What are the market forms of steel (with sketch)

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(Q-5) A. Write in few words about the role of materials in construction?

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B. Write four (4) types of blocks which used in Gaza Strip(with sketch)

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End of Questions