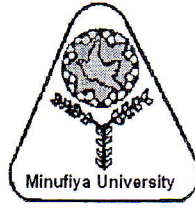


Menoufiya University  
Faculty of Engineering  
Shebin El-Kom  
Second Semester Exam  
Academic Year: 2015-2016



Department: Architectural Eng.  
Year: Post Graduation دبلوم  
Subject/Code: Project Management  
ARC 520  
Time Allowed: 3 hours  
Date: 11/6/2016

Allowed Tables and Charts: (None)

This exam measures ILOS no. :( a1, a12, b7, c4, d3)

**Total Mark** [100 Marks]

**Answer all the following Questions** Marks

Question (1) [20]

Briefly differentiate among the various project delivery approaches (various organizational structures).

Question (2) [20]

Briefly describe the project life cycle.

Question (3) [20]

“As the project progress, the ability of the change decreases while the cost of the change increases”, comment on this statement and show your answer using a schematic diagram.

Question (4) [20]

Explain what is meant by the two terms: “Price-based Contracts” and “Cost-based Contracts”.

Question (5) [20]

A granite company is planning to buy a fully automated granite cutting machine. If it is purchased under down payment, the cost of the machine is Rs. 16,00,000. If it is purchased under installment basis, the company has to pay 25% of the cost at the time of purchase and the remaining amount in 10 annual equal installments of Rs. 2,00,000 each. Suggest the best alternative for the company using the present worth basis at  $i = 18\%$ , compounded annually.

With best wishes,,

Dr Ibrahim sedky Ibrahim. Prof.Dr Fesal Abd El Maksoud  
Prof.Dr. Mahmoud Amin Dr.Mohamed Ibrahim