



**University Of Technology**  
**Building and Construction Eng. Dept.**  
**Final Exam – First Attempt – 2010/2011**



**Subject :**principals of construction managements

**Class:** 1<sup>st</sup>

**Branch :**Building & construction management Eng. Branch

**Time :** 3 Hours

**Examiner :**Dr. Tariq A. Khalil

**Date :** 18/06/2011

**Note: Answer four questions only.**

Q1-A) define the following expressions:

Project management, Mason, Monitoring and control, Cost plus contract, Feasibility studies

-B) list the steps for preparing time schedule networks for a project.

Q2) There are several documents required for implementing construction works, what are these documents? And what is the specified function for each document?

Q3) what are the major components which included in the general conditions of contract for civil engineering works in Iraq.

Q4 -A) what are the financing sources for employers and contractors, list them.

- B) Explain in details the project life cycle.

Q5) The following table indicates the measured time for each activity for mixing, transporting, and casting concrete.

Activity name	Activity description	Activity duration (minutes)
A	Mixing the concrete	10
B	Loading concrete on the truck	5
C	Transporting concrete to the site	20
D	Unload concrete, cast, and finish concrete surface	10
E	Truck go back empty to the mixing unit	15

Draw the multiple activity chart to determine the idle and unproductive time in the above activities.