


Course No: ECGD4214
**Course Title: Construction Methods
& Equipments**
Date: Saturday, November 12, 2011
No. of Questions: 8
Time: 90 Minutes
Using Calculator: (No)

University of Palestine

Midterm Exam
1st Semester 2010/2011
Total Grade: 40

Instructor: Dr. Wa'el M. Albawwab
Student No.:
Student Name:
College Name:
Dep. / Specialist:
Using Dictionary: (Yes)

Answer All Questions

- Q1-** Explain the entire main functions of bulldozers. **(5 Marks)**
- Q2-** Define: Loadability – Mass Diagrams – Spoil Banks. **(5 Marks)**
- Q3-** Explain all the considerations for selecting an equipment. **(5 Marks)**
- Q4-** Is it better to hire or to buy a certain field equipment? Explain. **(5 Marks)**
- Q5-** Give a full comparison between wheel loaders and track loaders. **(5 Marks)**
- Q6-** Explain all the factors affecting the degree of field soil compaction. **(5 Marks)**
- Q7-** Show by detailed schematic diagrams all the shovel approach methods. **(5 Marks)**
- Q8-** How could a contractor verify that the assigned dimensions (alignments and depth) are being maintained while conducting horizontal earth ditching? **(5 Marks)**