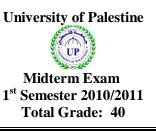
Course No: ECGD4214 Course Title: Construction Methods & Equipments Date: Saturday, November 12, 2011 No. of Questions: 8 Time: 90 Minutes Using Calculator: (No)



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)
<b>Q6-</b> Explain all the factors affecting the degree of field soil compaction.	(5 Marks)
<b>Q7-</b> 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)