IE-341 Section 1, CRN: 30512 Section 2, CRN: 30515 First Semester 1432-33 H (Fall-2011) – 3(2,1,2) HUMAN FACTORS ENGINEERING

Wednesday, Oct 12, 2011 (14/11/1432H)

Quiz 2 ANSWERS

Name:	Student Number:
	42

PART – A. Read the following passage and answer the questions below.

80 people took an exam. Abdullah was informed that he scored the 60th percentile on the test although he got 14/20 on the test.

1. What percentage of those who took the exam scored lower than

(or equal to) Abdullah? [2 points]

60%

32

Abdullah: 60^{th} percentile \Rightarrow

- 60% scored less than (or equal) to Abdullah
- 40% scored higher than Abdullah
- 2. How many people scored higher than Abdullah on the exam?

[2 points]

Abdullah: 60^{th} percentile of 80 people \Rightarrow

- 40% scored higher than Abdullah
- 40% of 80 people = $\frac{40}{100} * 80 = 32$



PART – B. Examine closely the figure below and answer the following questions.

3. Assuming the 95th percentile Japanese civilian has a sitting height of 96 cm, determine (approximately) sitting height for: [6 points]

