

IE-341

Section 1, CRN: 30512; Section 2, CRN: 30515; Section 3, CRN: 38299

First Semester 1433-34 H (Fall-2012) – 3(2,1,2)

HUMAN FACTORS ENGINEERING

Wednesday, Oct 10, 2012 (24/11/1433H)

Quiz 3 **ANSWERS**

Name: <b>Ahmed M. El-Sherbeeny, PhD</b>	Student Number: 4	Section: 9:00 / 10:00 / 11:00
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**Fill in the blanks.** [1 point each]

1. Emphasis in the information theory is on ... events **highly unlikely**.
2. In ... law, reaction time is measured for a fixed number of stimuli **the Hick-Hyman**.
3. The amount of information to decide between two equally likely events is referred to as a ... **Bit**.
4. For non-equally likely alternatives we calculate the ... amount of information from all events **average**.
5. Information that we receive from a radar screen reaches us ... **indirectly**.
6. Information that remains fixed over time is called ... information. **static**
7. Traffic lanes are an example of ... information. **identification**
8. A possible variation for a certain stimulus is called a ... **stimulus dimension**.
9. The ability to sense a certain code in a certain condition is referred to as is its ... **detectability**.
10. The maximum amount of information required to choose between 4 equally alternatives is ...  **$\log_2 4 = 2$** .