**IE-341**

**Section 1, CRN: 30512/513/514**

**Section 2, CRN: 30515/516/517**

**Section 3, CRN: 46950/951/952**

**First Semester 1435-36 H (Fall-2014) – 3(2,1,2)
“HUMAN FACTORS ENGINEERING**

**Wednesday, November 05, 2014 (12/01/1436H)**

**Quiz 2 ANSWERS**

|  |  |  |
| --- | --- | --- |
| **Name:**  | **Student Number:****4** | **Section:****Sun / Mon / Wed** |

**Part A. Answer the following questions briefly.** [2 points each]

1. **Which of the following figures best describes *Fitts’s* Law?** (circle the correct letter)

**a**

b

c

1. **Briefly state *Fitts’s* law in your own words.**

**The reaction time [**$sec$ **or** $msec$**] to reach a target is an inverse function of the distance to [D] and size [W] of the target. (see “Fitts’ Law Demonstration Web Site”** [**http://fww.few.vu.nl/hci/interactive/fitts/**](http://fww.few.vu.nl/hci/interactive/fitts/)**)**

**Part B. Fill in the blanks.** [1 Point Each]

1. **For indirect sensing the stimuli can either be ………………… or coded.**

**Reproduced (see slide 3-II-4)**

1. **Speed gages are an example of ………………… information or display.**

**Quantitative or dynamic (see slides 3-II-5,6)**

1. **Traffic lanes are an example of ………………… information or display.**

**Identification or qualitative or static (see slide 3-II-5,6,7)**

1. **………………… presentation is recommended when the message does not call for immediate action.**

**Visual (see slide 3-II-8)**

1. **Frequency represents a(n) ………………… of the auditory stimulus.**

**Dimension (see slide 3-II-10)**

1. **The number of coding levels is important in the ………………… of a code.**

**Discriminability (see slides 3-II-12)**