**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 *Hick’s* Law?** (circle the correct letter)

a

b

**c**

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

**The reaction time [**$sec$ **or** $msec$**] required to respond to a stimulus [**$Bits$**] increases linearly as the number of equally likely alternatives [**$N$**] increases. (see slide 3-I-8)**

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

1. **Human factors engineering is concerned with ………………… sensing.**

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

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

**Status or dynamic or qualitative (see slide 3-II-5,6)**

1. **Printed material is an example of ………………… information or display.**

**Alphanumeric and symbolic or static (see slide 3-II-7)**

1. **………………… presentation is recommended when the person’s job requires moving around continually.**

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

1. **Identifying one sound as being louder than another is an example of ………………… judgment.**

**Relative (see slide 3-II-11)**

1. **………………… compatibility is related to the meaningfulness of a coding system.**

**Conceptual (see slides 3-II-12,15)**