


Course No: SWE 4315
Course Title: HCI
Date: 10/11/2013
No. of Questions: (4)
Time: 1hours
Using Calculator (No)

University of Palestine

Midterm Exam
2013/2014
Total Grade: 40

Instructor Name: _____
Student No.: _____
Student Name: _____
College Name: _____
Dep. / Specialist: _____
Using Dictionary (No)

Question One: (10/40)

Answer The Following Paragraphs with True (√)or False (×)? (10)

- (1) Human–computer interaction (HCI) is the study of interaction between companies and people. ().
- (2) A basic goal of HCI is to improve the interactions by making computers more usable and receptive to the user's needs. ().
- (3) Optical illusions sometimes occur due to over compensation. ().
- (4) Word shape is important to recognition. ().
- (5) Humans can hear frequencies from 20Hz to 150kHz..... 200kHz. ().
- (6) Retina contains rods for low light vision and cones for colour vision. ().
- (7) Positive contrast improves reading from computer screen. ().
- (8) Hearing, movement and touching provide information about environment. ().
- (9) Emotion is process of finding solution to unfamiliar task using knowledge. ().
- (10) Touch pad detect the presence of finger or stylus on the screen. ().


<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>

Question Two: (10/40)

Choose the correct answer (a, b, c or d) (10)

- (1) Interaction between users and computers occurs at the user interface (or simply interface), which includes both software and hardware.
 - a. hardware.
 - b. software.
 - c. a & b.
 - d. non of the above.
- (2) Mechanism for receiving light and transforming it into electrical energy.
 - a. Solar cell.
 - b. Skin.
 - c. Eye.
 - d. non of the above.
- (3) indicate-s how much of view object occupys.
 - a. Movement.
 - b. Touch.
 - c. Visual angle.
 - d. a & B.
- (4) Scratch-pad for temporary recall is .
 - a. Short-term memory.

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- b. Long-term memory.
 - c. Buffer memory.
 - d. a & b.
- (5)right intention, but failed to do it right.
- a. slips.
 - b. mistakes.
 - c. wrong intention.
 - d. a & c.
- (6)..... number of pixels on screen (width x height)
- a. Aspect Ratio.
 - b. Resolution.
 - c. Brightness.
 - d. Color depth.
- (7) LCD is.....
- a. Led Color Display.
 - b. Light Crystal Display.
 - c. Liquid crystal displays.
 - d. Liquid Color Diode.
- (8) Specifies an action at interface occurs at.....
- a. data collection stage.
 - b. execution stage.
 - c. evaluation stage.
 - d. all of the above.
- (9) User intentions.....
- a. translated into actions at the interface and alterations of system state.
 - b. reflected in the output display.
 - c. interpreted by the user
 - d. all of the above.
- (10) Abowd and Beale framework is extended to
- a. Schneider's model.
 - b. Norman's model.
 - c. Beal's Model
 - d. non of the above.

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Question Three:

(15/40)

A): State the basic stages in vision, then write the sequence steps in one stage.
(5/10)

B): State the stages developments for: **(6/10)**
Printer's type:

Storage devices:

Monitors:

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D): Compare between the mouse and the touch screen in the main function, how does it work?, advantages and disadvantages. (6/10)

End of Questions
Good Luck