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**UNIVERSITI TUN HUSSEIN ONN MALAYSIA**

**FINAL EXAMINATION  
SEMESTER II  
SESSION 2017/2018**

COURSE NAME : HUMAN COMPUTER INTERACTION  
COURSE CODE : BBU 20103  
PROGRAM CODE : BBF  
EXAM DATE : JUNE / JULY 2018  
DURATION : 3 HOURS  
INSTRUCTION : ANSWER ALL QUESTIONS

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THIS QUESTION PAPER CONSISTS OF **THREE (3)** PAGES

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- Q1** (a) How does human touch sensory input functioning if the person involve in the hazardous situation?  
(10 marks)
- (b) State out what are the five (5) differences between real cracker and virtual cracker?  
(10 marks)
- Q2** (a) Elaborate how the eye tracking physiological evaluation method will be used by Elizabeth to evaluate UTHM portal for her final year project?  
(6 marks)
- (b) How does Donald Norman's seven (7) stages model will be used while interacting with dry cleaning machine interface?  
(14 marks)
- Q3** (a) Explain what are the design processes involve in Human Computer Interaction (HCI) and draw a diagram to support your elaboration?  
(10 marks)
- (b) Discuss five (5) points why aesthetics and utility appearance complement one another in product design?  
(10 marks)
- Q4** (a) Define the following design rules:  
(i) Principles  
(ii) Standards  
(iii) Design patterns  
(6 marks)
- (b) State one (1) disability system and discuss how the system helps the following disability users:  
(i) Visual impairment  
(ii) Hearing impairment  
(iii) Speech impairment  
(iv) Physical impairment  
(12 marks)

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- Q5** (a) Elaborate how Ramli should develop Melanau language system using Wizard of Oz prototype process? (8 marks)
- (b) Describe what is a knowledge-based analysis? (4 marks)
- (c) What are the differences between hierarchy navigation and network navigation? Draw a diagram to support your elaboration? (8 marks)

**-END OF QUESTION-**

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