UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION
SEMESTER I
SESSION 2017/2018

COURSE NAME	:	HUMAN-COMPUTER INTERACTION
COURSE CODE	:	BIM 30503
PROGRAMME CODE	:	BIM / BIP
EXAMINATION DATE	:	DECEMBER 2017 / JANUARY 2018
DURATION	:	3 HOURS
INSTRUCTION	:	ANSWER **ALL** QUESTIONS

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

Q1 Fill in the blanks.

(a) _____ is a principle design which describe about the properties of an object that indicate how it can be used.

(1 mark)

(b) _____ is interaction design approach which focus on the behavior of the user rather than their goals and needs.

(1 mark)

(c) _____ prototype is used during conceptual design stage while _____ prototype is used during user testing stage especially on technical issues.

(2 marks)

(d) _____ evaluation involve three stages which are briefing session, evalution period and _____.

(2 marks)

Q2 One of the cognitive processes in interaction design is managing user attention.

(a) Define 'managing attention'.

(2 marks)

(b) Suggest **FOUR (4)** ways to structure information in interface design in order to capture user's attention.

(8 marks)

Q3 Questions **Q3(a)-Q3(g)** are based on the given target user. Choose **ONLY ONE (1)** from the following target user:

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1. Children with learning disabilities who are expecting for more
   fun elements in their learning aids.

              OR

2. Restaurant owner who wants to establish a fast and convenient
   customer experience.
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(a) Give **THREE (3)** reasons why designer needs to understand the characteristics and capabilities of the target user.

(6 marks)

(b)   Propose **ONE (1)** appropriate project title for the selected target user.

(2 marks)

(c)   Suggest **ONE (1)** appropriate platform to implement the proposed title. Justify your answer.

(4 marks)

(d)   Suggest **ONE (1)** interaction type to be applied in the proposed title. Justify your answer.

(4 marks)

(e)   Propose **TWO (2)** appropriate methods that will be combined to gather user requirements Give **TWO (2)** reasons of the combination.

(8 marks)

(f)   Analyze **TWO (2)** functional requirements and **TWO (2)** non-functional requirements of the proposed title.

(8 marks)

(g)   Draw a storyboard to illustrate any **FOUR (4)** interfaces for the proposed title based on the requirements stated in **Q3(f).**

(20 marks)

Q4   (a)   Describe **THREE (3)** purposes of user interface evaluation.

(6 marks)

(b)   Explain **THREE (3)** ways to protect user's right during evaluation process.

(6 marks)

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-END OF QUESTION -