University of Eswatini Department Of Computer Science Supplement Examination July 2020

Title of paper : Human Computer Interaction

Course number : CSC251

: Three (3) hours

Instructions:

Time Allowed

Each question carries 25 marks.

Answer any four (4) questions.

invigilator. This paper may not be opened until permission has been granted by the

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QUESTION 1

[5] sing examples of each [10]	a) Define User Experience goals. b) Distinguish between principles, guidelines and standards, using examples of each to illustrate. c) Identify THREE modes of input for HCI. [10]
[3] [10] [12]	 a) Describe a formal definition of HCI. b) Explain the main concerns of Human computer interaction. c) Explain the following terms. i) Human Memory ii) GOMS

QUESTION 4

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QUESTION 3

a) Describe human eye physiology.
b) How do 'golden rules' and heuristics help interface designers take account of cognitive psychology? Illustrate your answer with examples.

Discuss the usefulness of cognitive models for interaction design.

[10]

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menus.	c) What is a menu? Why menus are important and also explain the functions of		b) How do 'golden rules' and heuristics help interface designers take account of	evaluation method for different interactive systems? Give brief details. [1	a) What is evaluation? What are the factors governing the choice of an appropriate
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QUESTION 5