Charles Darwin University

Final Examination

Family Name	
Given Name/s	
Student Number	
Teaching Period	Semester 1, 2019

HIT164 – Computing Fundamentals	DURATION	
	Reading Time:	**10** minutes
	Writing Time:	**180** minutes

INSTRUCTIONS TO CANDIDATES

Both sections must be answered.
Section A - Answer all questions - Choose the best answer. – Total 10 Marks.
Section B - Answer any 10 questions. Total 40 Marks.

EXAM CONDITIONS

<u>You may begin writing from the commencement of the examination session.</u> The reading time indicated above is provided as a guide only.

This is a CLOSED BOOK examination

No calculators are permitted

No handwritten notes are permitted

No dictionaries are permitted

ADDITIONAL AUTHORISED MATERIALS	EXAMINATION MATERIALS TO BE SUPPLIED
No additional printed material is permitted	1 x 20 Page Book 1 x Scrap Paper

THIS EXAMINATION IS PRINTED DOUBLE-SIDED.

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Section A

Answer all questions - Choose the best answer

Total No of Marks for this Section: 10

This section should be answered on the Answer Sheet provided.

Marks for each question are indicated. Suggested time allocation for Section A: 30 mins

1. The type of file create by word processor, for example memos, term papers, and letter
    a. Data base   c. presentation
    b. Document   d. Work sheet

2. The following uses the Internet and the web to shift many computer activities from a user's computer to computers on the Internet
    a. Cloud computing   c. network
    b. High definition   d. solid state drive

3. The largest network in the world is :
    a. Facebook   c. Google
    b. Internet   d. Web

4. Three basic components in cloud computing are clients, Internet and _____
    a. CSS   c. Streaming
    b. Internet service provider   d. Web 4.0

5. Programs that organise, analyse and graph numerical data such as budgets and financial reports are called
    a. DBMS   c. spreadsheets
    b. Suites   d. Word Processors

6. Who is making the Web standards
    a. Google   c. Mozilla
    b. Microsoft   d. The World Web Consortium

7. Choose the correct HTML element for the largest heading
    a. <Heading>   c. <h6>
    b. <head>   d. <h1>

8. Which character is used to indicate an end tag?
    a.   /   c. *
    b.   <   d. +

9. A troubleshooting utility that identifies and eliminates non-essential files, free up valuable disk space and improves system performance :
    a.   File History   c. Storage
    b.   Disk Clean-up   d. Compactor

10. How many bytes can a 32-bit word computer access at one time?
    a.   1   c. 8
    b.   4   d. 18

Section B

Answer any Ten(10) questions out of Twelve (12)

Total No of Marks for this Section: 40

This section should be answered on the Answer Sheet provided.

Each question carries Four(4) marks. Suggested time allocation for Section A: 150 mins

1. Explain the difference between data and information with an example

2. Explain the parts of an information system. What part do people play in this system?

3. What is cloud computing? Describe three basic components of cloud computing

4. Describe mobile apps, including popular apps and app stores

5. Define computer memory and write one difference between RAM, ROM and flash memory

6. Many computer related products are produced in other countries where pay and working conditions are reported to be well below accepted standards. What are the ethical issues and defend your list of issues.

7. Explain Blockchain with a neat diagram.

8. Describe the three most common types of malware, including viruses, worms, and Trojan horses

9. Explain cookies. Discuss your opinion whether it is ethical to use cookies for personalization and targeted marketing purposes?

10. Complete this table using Base-2, Base-10 and Base-16

Base-10	Base-2	Base-16
45		
	1101	
		FFFF
134		

11. When building simple websites, there are a range of practices you should follow. Outline three important practices when coding your own website.

12. Explain the output of the following HTML code

```
<!DOCTYPE html>
<html>
<head>
<style>
h1 {
  color: blue;
  font-family: verdana;
  font-size: 300%;

}
p  {
  color: red;
  font-family: courier;
  font-size: 160%;
}
</style>
</head>
<body>

<h1>This is a heading</h1>
<p>This is a paragraph.</p>

</body>
</html>
```

!End!