



**FINAL EXAMINATION**

Student ID (in Figures) : 

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Student ID (in Words) : \_\_\_\_\_

Course Code & Name : **CSC1513 IT Applications**  
Trimester & Year : SEPTEMBER 2019 – DECEMBER 2019  
Lecturer/Examiner : Saravanamalar Surarajah  
Duration : 3 Hours

**INSTRUCTIONS TO CANDIDATES**

1. This question paper consists of 2 parts:  
PART A (60 marks) : FIVE (5) short answer questions. Answers are to be written in the Answer Booklet provided.  
PART B (40 marks) : TWO (2) essay questions. Answers are to be written in the Answer Booklet provided.
2. Candidates are not allowed to bring any unauthorised materials except writing equipment into the Examination Hall. Electronic dictionaries are strictly prohibited.
3. This question paper must be submitted along with all used and/or unused rough papers and/or graph paper (if any). Candidates are NOT allowed to take any examination materials out of the examination hall.
4. Only ballpoint pens are allowed to be used in answering the questions, with the exception of multiple choice questions, where 2B pencils are to be used.

**WARNING:** The University Examination Board (UEB) of BERJAYA University College regards cheating as a most serious offence and will not hesitate to mete out the appropriate punitive actions according to the severity of the offence committed, and in accordance with the clauses stipulated in the Students’ Handbook, up to and including expulsion from BERJAYA University College.

**Total Number of pages = 4 (Including the cover page)**

**PART A : SHORT ANSWER QUESTIONS (60 MARKS)**  
**INSTRUCTION(S) : FIVE (5) short answer questions. Answer ALL questions in the Answer Booklet(s) provided.**

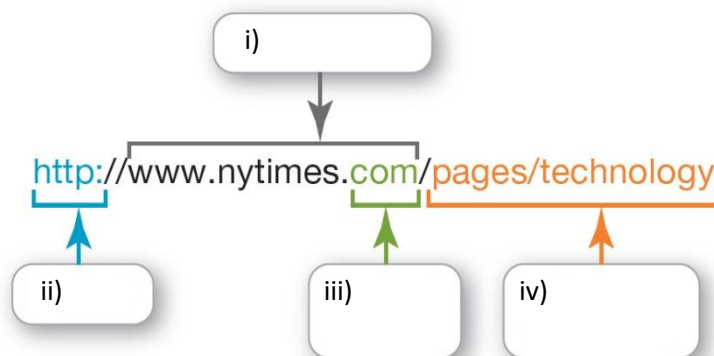
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**Question 1**

- a) Ethical computing emphasizes on doing the right thing correctly. Describe these terms:
- i) Ethics (2 marks)
  - ii) Laws (2 marks)
  - iii) Unethical Behaviour (2 marks)
  - iv) Amoral Behaviour (2 marks)
- b) Computer is an electronic device that operates under the control of instructions from users. Describe the **FOUR (4)** major functions performed by a computer. (4 marks)
- [Total: 12 marks]

**Question 2**

- a) Describe **FOUR (4)** advantages of using social network for businesses. (4 marks)
- b) Every website has a unique address called Uniform Resource Locator (URL) Label the main **FOUR (4)** parts of URL as shown in Figure 1 below: (4 marks)



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- c) Software is a set of instructions that tells the computer what to do. Explain the **TWO (2)** types of software. (4 marks)
- [Total: 12 marks]

### Question 3

- a) Operating system coordinates and directs the flow of data and information. Explain any **FOUR (4)** main functions of operating system. (4 marks)
- b) Booting is a start-up sequence that starts the operating system of a computer when it is turned on. Discuss the **FOUR (4)** boot process. (8 marks)
- [Total: 12 marks]

### Question 4

- a) The traditional filing system is a method of storing and arranging computer files and the information in the file (data). It organizes these files into a database for the storage, organization, manipulation, and retrieval by the computer's operating system. Describe **SEVEN (7)** problems of managing data resources in a traditional file environment. (7 marks)
- b) Computer network means two or more computers are connected via software and hardware so that they can communicate with each other. Explain **FIVE (5)** benefits of computer network. (5 marks)
- [Total: 12 marks]

### Question 5

- a) Networks can be classified by levels of administration that is client/server network and Peer-to-peer (P2P) network. Describe client/server network. (2 marks)
- b) A wireless network is a computer network that uses wireless data connections between network nodes. Explain any **FIVE (5)** ways to secure wireless networks. (10 marks)
- [Total: 12 marks]

**END OF PART A**

**PART B : ESSAY QUESTIONS (40 MARKS)**

**INSTRUCTION(S) : TWO (2) essay questions. Answer ALL questions in the Answer Booklet(s) provided.**

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**Question 1**

A computer contains many electric, electronic, and mechanical components known as hardware. There are FIVE major components of hardware. Discuss all **FIVE (5)** of them. (20 marks)

**Question 2**

a) A computer virus is a type of computer program that, when executed, replicates itself by modifying other computer programs and inserting its own code. Discuss **SIX (6)** types of viruses (12 marks)

b) One of the Windows Administrative Utilities is Accessibility Utilities. Accessibility Utilities is designed for users with special needs such as Magnifier. Discuss **FOUR (4)** other Accessibility Utilities applications. (8 marks)

[Total: 20 marks]

**END OF EXAMINATION PAPER**