



University of Vavuniya

First Examination in Information Technology - 2019

First Semester - December 2020/January 2021

Held on October/November 2021

IT1113 Fundamentals of Information Technology (Theory)

Online Examination

Question-Set 1 of 2

- Time Allowed : **30 Minutes**
- Answer **Two** Questions Only.
- This is a closed-book examination.

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- (a) Explain the technologies of second generation computers by comparing them with the first generation computers. [10%]
 - (b) Discuss the differences between volatile memory and non-volatile memory. [10%]
 - (c) State two disadvantages of Database Management System(DBMS). [05%]
 - (a) What do you mean by a computer virus? Briefly describe each of the following.
 - i. File virus
 - ii. Overwrite virus
 - iii. Boot virus [15%]
 - (b) Describe the 'Trojan horses' malware and explain how it differs from other types of malware. [10%]

3. (a) Describe each of the following terms with regard to computer networks.
- i. Hub
 - ii. Switch
 - iii. Router [15%]
- (b) Briefly describe the differences between the low-level and high-level programming languages. [10%]