



LIBRARY  
17 OCT 2014

EASTERN UNIVERSITY, SRI LANKA  
FIRST YEAR SECOND SEMESTER EXAMINATION IN  
AGRICULTURE - 2006/2007 (APRIL, 2014)  
EXTERNAL DEGREE

**IT 1201 INFORMATION AND COMMUNICATION TECHNOLOGY (THEORY)**  
(Repeat)

ANSWER ALL QUESTIONS

TIME: 1 HOUR

**Q1.**

- (i) Discuss the differences between Data and Information.
- (ii) What is a Computer? Draw the block diagram of a computer.
- (iii) Explain briefly what it means by an Operating System. List 5 examples for Operating Systems.
- (iv) Explain Analog, Digital & Hybrid computers.
- (v) What do you mean by Software? List the different types of software and explain them.
- (vi) Briefly explain the Primary Memory and Secondary Memory.
- (vii) Describe the following:
  - a. Input Devices;
  - b. Output Devices.

**Q2.**

- (i) Convert the following into Binary numbers:
  - a.  $(952)_{10}$ ;
  - b.  $(256)_8$ ;
  - c.  $(ABC)_{16}$ .
- (ii) Convert the following into Octal numbers:
  - a.  $(1023)_{10}$ ;
  - b.  $(7D4)_{16}$ ;
  - c.  $(10101110)_2$ .
- (iii) Convert the following into Hexadecimal numbers:
  - a.  $(952)_{10}$ ;
  - b.  $(256)_8$ ;
  - c.  $(10101110)_2$ .
- (iv) Define the term "Computer Network".
- (v) Discuss the advantages and disadvantages of e-mail over the traditional postal system.
- (vi) Define the term "Computer Virus", and briefly explain how to protect a computer from virus?
- (vii) Explain briefly the usefulness of "Information Technology" in the Health sector.