

EASTERN UNIVERSITY, SRILANKA

First Year Second Semester Examination in Agriculture - 2009/2010

IT 1101 INTRODUCTION TO INFORMATION TECHNOLOGY (Theory)

Repeat

Answer ALL Questions

Time Allowed: 02 Hours

Q1.

1. Name and briefly explain the components of a CPU.
2. What are the functions of an operating system?
3. What is computer language? List names of four computer languages.
4. What is computer virus?
5. List 5 ways a computer virus can spread on a computer.
6. Write a C++ programme to display the perimeter of a rectangle

(Note: The programme should ask the user to input the length and width of the rectangle

Hint: Perimeter = $2 \times (\text{Length} + \text{Width})$



Q2.

1. Discuss the advantages of word processing package over the manual typewriters.
2. Compare impact and non impact printer.
3. Define the terms hardware and firmware.
4. Write short notes on the following topics.
 - a. Input devices and output devices.
 - b. Internet.
 - c. Email.
5. What is the useful of web based search engine?

Q3.

1. What is Computer network?
2. What are the various advantages and disadvantages of Computer Network
3. List three types of network cables
4. Name and describe three types of network topologies with the help of diagram
5. What is Open Source Software and Shareware?

Q4.

1. Convert the Binary number 11111011100_2 to Decimal
2. Represent the decimal number 2012_{10} to the following number system.
 - a. Binary
 - b. Octal
 - c. Hexadecimal.
3. Represent the following negative numbers in 8 bits Binary using 2's complement
 - a. -19_{10}
 - b. -25_{10}
4. Build truth table for the following logic gate

