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EASTERN UNIVERSITY, SRILANKA

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FIRST EXAMINATION IN SCIENCE – 2010/2011  
FIRST SEMESTER (Nov. /Dec. 2012)

CC 101 – FUNDAMENTALS OF COMPUTER SYSTEMS

(PROPER & REPEAT)

Answer all questions

Time allowed: 01 hour

Q1.

- (i) What do you understand by **Data**? Give four examples for data.
- (ii) What is Computer?
- (iii) How are data actually stored in a computer? Briefly describe.
- (iv) List the characteristics of a computer.
- (v) Explain Analog, Digital & Hybrid computer.
- (vi) What do you mean by **Hardware**? Give three functions of hardware.
- (vii) Explain in briefly, any three types of Secondary Memory.

Q2.

- (i) What is an Operating System? Give 5 example of Operating Systems.
- (ii) List the functions of an operating system.
- (iii) Describe the following:
  - a. Laser Printer;
  - b. Plotters;
  - c. Wi-Fi Printer.
- (iv) What is a network?
- (v) What are the advantages of connecting the Computers by a network?
- (vi) Convert the following into Binary:
  - a)  $(448)_{10}$ ;
  - b)  $(073.56)_{10}$ ;
  - c)  $(0.985)_{10}$ .
- (vii) Convert the following into Octal.
  - a)  $(928)_{10}$ ;
  - b)  $(568.356)_{10}$ ;
  - c)  $(B2A)_{16}$ .
- (viii) Convert the following into Hex:
  - a)  $(65^8_3)_{10}$ ;
  - b)  $(127)_8$ ;
  - c)  $(0.852)_{10}$ .