



EASTERN UNIVERSITY, SRI LANKA
FIRST EXAMINATION IN SCIENCE -2012/2013
FIRST SEMESTER (Feb./Mar., 2015)
CC 101 – FUNDAMENTALS OF COMPUTER SYSTEMS
(PROPER & REPEAT)



Answer all questions

Time allowed: 01 Hour

Q1)

- Define the term *computer*.
- List five advantages and five disadvantages of computers.
- Define *analog*, *digital* and *hybrid computers*.
- What do you understand by *Embedded Computers*? Give two examples for such computers.
- Discuss briefly the different computer generations.
- What do you understand by *data*, *data processing* and *information*?
- What is it meant by *ASCII*? Explain the use of ASCII in computers.
- Explain why data should be backed up frequently from a computer system.
- List five things to consider when buying a new computer.

Q2)

- Briefly define the *system software* and *application software*. Give three examples for each type.
- What is a *Computer Network*?
- Briefly explain the *bus topology*, *ring topology* and *star topology*.
- List five advantages and disadvantages of *internet*.
- What is *e-mail*? Discuss the advantages and disadvantages of e-mail over the traditional postal system.
- What do you understand by *Social Networking*?
- Convert the following into Binary number:
 - 1059_{10}
 - 0.568_{10}
 - $AB3.A5_{16}$
- Convert the following into hexadecimal number:
 - 100010110101_2
 - 111011.111001_2
 - 1059.568_{10}