



University of Kelaniya – Faculty of Social Sciences

Academic Year 2015/2016

Bachelor of Arts (Special) Degree First Year

First Semester Examination- August 2017

Social Statistics

SOST 21444 – Introduction to Computer Science

Answer Four (04) questions including question number one (01)

No. of Questions: 07

Time: 03 hours

01. A. i. What was the name of first computer designed by Charlse Babbage?
- a) Analytical Engine
 - b) Difference Engine
 - c) Colossus
 - d) ENIAC
- ii. EDSAC stands for _____.
- a) Electronic Delay Storage Automatic Calculator
 - b) Electronic Delay Storage Automatic Computer
 - c) Electronic Data Storage Automatic Calculator
 - d) Electronic Data Storage Automatic Computer
- iii. Which was the first commercial computer?
- a) Ferranti Mark 1
 - b) Analytical Engine
 - c) Difference Engine
 - d) Colossus

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ix. The basic operations performed by a computer are

1. Arithmetic operation
2. Logical operation
3. Storage and retrieve
4. All the above

x. Which of the following is internal memory?

1. Disks
2. Pen Drives
3. RAM
4. CDs

(10 Marks)

(B) Discuss the significance of Information Technology in the Business environment.

(07 Marks)

(C) Briefly describe about computer related health issues and possible practices to prevent from such issues.

(08 Marks)

02. (a) What are the basic computer classification methods? (04 Marks)

(b) Explain Analog Computers, Digital Computers and Hybrid Computers (05 Marks)

(c) Discuss about the Micro Computer, Mainframe Computer, Super Computer and Mini Computer with its respective characteristics. (06 Marks)

03. (a) What are the basic elements of a computer system? (02 Marks)

(b) Briefly explain each element of computer system (05 Marks)

(c) Distinguish Application Software and System Software emphasizing the importance of each software to run a Computer (08 Marks)

04. (a) What are the elements of Computer Hardware? (02 Marks)

(b) Contrast Processor (Central Processing Unit – CPU) and Memory of a Computer highlighting the necessities of each. (05 Marks)

(c) Briefly explain four input and output devices with their uses. (08 Marks)