EASTERN UNIVERSITY, SRI LANKA

EXTERNAL DEGREE EXAMINATION IN SCIENCE

FIRST YEAR FIRST SEMESTER - 2003/2004

(OCT./DEC., 2006)

EXTCC 101 – Fundamentals of Computer Systems

(Proper/Repeat)

Answer all questions   **Time Allowed: 01 Hour**

Q1)

     a) Discuss about the term "Computer Generation"?   (20)

     b) What is the difference between "Mainframes" and "PCs"?   (20)

     c) Briefly discuss the term "Computer Language".   (20)

     d) Distinguish the term "Application Software" and "System Software".   (20)

     e) Discuss about "Output Devices".   (20)

Q2)

     a) Convert the following numbers:

         i) 1234 to **Octal,**   (05)

         ii) 111100111_2 to **Decimal,**   (05)

         iii) $ABC123_{16}$ to **Binary,**   (05)

         iv) 12743_8 to **Hexadecimal,**   (05)

         v) 14296 to **Binary.**   (05)

     b) Discuss the following topics:

         i) Primary Storage Device,   (15)

         ii) Secondary Storage Device,   (15)

         iii) RAM,   (15)

         iv) Input Devices,   (15)

         v) CPU (Central Processing Unit).   (15)