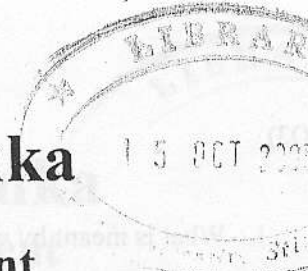# Eastern University, Sri Lanka

Faculty of Commerce & Management

3rd Year / 2nd Semester Examination in Economics 2003/2004

ECN-3055 Computer Applications for Economics

(Theory)

Answer all Questions Time: 03 hours

Q1)

I. Briefly describe the basic components of a computer system. (20)

II. Draw a diagram to show the data flow between I/O device, storage device and CPU. (20)

III. Convert the following numbers into their equivalent binary numbers: (40)

   i. $2AC_{16}$

   ii. 564_8

   iii. 798.125_{10}

   iv. $3BAD_{16}$.

IV. Describe the groups of high-level languages. State two names of every group of high-level

   languages. (20)

Q2)

I. What is meant by a computer virus? Name the ways to protect a computer from viruses. (20)

II. Briefly describe the usage of three output devices and give suitable examples. (20)

III. Write short notes on the following: (40)

   i. MICR

   ii. OCR

   iii. Light pen

   iv. Scanner.

IV. Explain the factors that should be considered when buying personal computers. (20)

Q3)

I. What is meant by word processing? State four Tamil word processors. (20)

II. Explain usage of the following features available in the MS Word: (20)

    i. Footnote & Endnote

    ii. Columns.

III. What are the differences between word processor and manual typewriter? (20)

IV. What are the main features in spreadsheet? Explain any two features. (20)

V. State two names of spreadsheet package. (10)

VI. State three names of database management software. (10)

Q4

I. What is meant by a computer network system? State names of different categories of a computer network system. (15)

II. What are the services provided by a network system? Describe any three-network services. (35)

III. State names of network cables. Describe the functions of any two-network cables. (20)

IV. State names of network connecting devices. (10)

V. Discuss the importance of a Computer Network in a university environment. (20)

Q5)

I. What is meant by Internet? State sub-group names of Internet Society. (20)

II. State four names of new domains. (10)

III. What are the main services offered by the Internet? Describe any two main services. (20)

IV. How would do get an Internet connection to a PC? State the functions of each equipment. (30)

V. State four names of ISP in Sri Lanka. (10)

VI. State two names of e-banking in Sri Lanka (10)