Eastern University, Sri Lanka

Faculty of Commerce & Management

3rd Year / 2nd Semester Examination in Economics 2004/2005

ECN-3045 Computer Applications for Economics

(Theory Examination)

Answer all Questions   **Time: 03 hours**

Q1)

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

II. Describe the functions of the CPU.   (20)

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

     i. $2AC_{16}$

     ii. 564_8

     iii. 798.125_{10}

     iv. $B4E_{16}$

IV. Describe the types of high-level languages. State two names of every type of high-level language.   (20)

Q2)

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

II. Explain the usage of different type of secondary storage devices.   (20)

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

     i.   MICR

     ii.   OCR

     iii.   Light pen

     iv.   Barcode Reader.

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

Q3)

I. What is an *"Operating System"*? State four names of network operating systems. (20

II. Briefly describe the functions of different translators in computer environment. (20

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

IV. What are the differences between word processor and manual typewriter? (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 an educational environment. (20

Q5)

I. What is meant by Internet? State sub-group names of Internet Society. (2

II. State four names of new domains. (1

III. What are the main services offered by the Internet? Describe any two main services. (2

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. (1

VI. State two names of local e-banking in Sri Lanka (1