

# Eastern University, Sri Lanka

## Faculty of Commerce & Management

3<sup>rd</sup> Year / 2<sup>nd</sup> 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)