

SOUTH EASTERN UNIVERSITY OF SRI LANKA

FIRST EXAMINATION IN BACHELOR OF SCIENCE IN MANAGENET AND INFORMATION TECHNOLOGY – 2008/2009, SEMESTER – I, JUNE- 2010

MIT 1133 – INTRODUCTION TO INFORMATION TECHNOLOGY

Answer all questions

Time: 03 Hours.

- 01.**
- i. Define data, information, information systems and information technology. (02 Marks)
 - ii. Explain different types of Information systems and their usage in today’s business environment. (06 Marks)
 - iii. How Information Technology can contribute to the national development of our country? (06 Marks)
 - iv. Explain the following (06 Marks)
 - a) Intellectual Property Rights.
 - b) Computer ethics.
 - c) Plagiarism.
- (06 Marks)
(Total 20 Marks)

- 02.**
- i. Identify the characteristics of 1st, 2nd, and 3rd generation computers and how would be the future generation computers? (05 Marks)
 - ii. “A number of different dimensions can be used to classify computers into different type” Explain different types of computers. (05 Marks)
 - iii. Illustrate the elements of a computer system showing its logical structure or block diagram. (04 Marks)
 - iv. Explain the functions of the following components.
 - a) Mother Board
 - b) Video Graphic Accelerator (VGA) Splitter

- c) Central Processing Unit (CPU)
- d) Uninterruptable power supply (UPS).

(06 Marks)

(Total 20 Marks)

03.

i. What do you mean by Operating System? Explain different functions of an Operating System. (04 Marks)

ii. Briefly explain the functions of the following utility programs.

- a. Hardware Utilities
- b. Virus detection and recovery Utilities
- c. File compression Utilities
- d. Spam and pop-up blocker Utilities
- e. Server and Main frame Utilities

(05 Marks)

iii. Explain major steps of Software evaluation

(03 Marks)

iv. To transmit and receive information a communication system must perform a number of separate functions. Identify key tasks performed by a communication system.

(03 Marks)

v. List out the functions of each layers of OSI reference model and compare the OSI with TCP/IP.

(05 Marks)

(Total 20 Marks)

04

i. Explain backbone network components.

(03 Marks)

ii. What do you mean by network topologies? And describe different types of topologies.

(05 Marks)

iii. What is internet? Explain internet services.

(04 Marks)

iv. Describe the following:

- a) Browser
- b) Domain
- c) Proxy server

- d) Search engines
- e) Protocols
- f) HTML
- g) ISP
- h) WWW

(08 Marks)

(Total 20 Marks)

05. Distinguish the followings.

- a) Primary storage and Secondary storage devices.
- b) Dump terminals and Intelligent terminals
- c) Local Area Network and Wide Area Network
- d) Bridge and Gateway
- e) E- Commerce and E- Business
- f) Boot Virus and Macro Virus
- g) Intranet and Extranet
- h) File compression utilities and backup utilities
- i) Super computers and mainframe computers
- j) Internal and external devices.

(Total 20 Marks)