

# SLIATE

SRI LANKA INSTITUTE OF ADVANCED TECHNOLOGICAL EDUCATION
(Established in the Ministry of Higher Education, vide in Act No. 29 of 1995)

## Higher National Diploma in Information Technology Second Year, Second Semester Examination – 2017 HNDIT2403/IT4003 - Professional Issues in IT/ IT and Society

Instructions for Candidates: Answer any four (04) Questions All questions carry equal marks

No. of questions : 05 No. of pages : 03

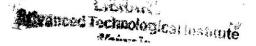
Time: Two (02) Hours

## Question 01

ii.

iii. iv.

	Fill in the blanks using the list of answers given within brackets.	(12 marks)			
( Java, Johnvon Neumann, tablet, bit, Shakey, desktop, Plankalkul , IBM 1301)					
a.	was the first algorithmic programming language	ge created by			
	Konrad Zuse.				
b.	The "First Draft of a Report on the EDVAC" written by	. outlining the			
	architecture of stored program computer was distributed in 1945.				
c.	c. In 1948, is identified as the fundamental unit of data and as the				
fundamental unit of computation.					
d disk drive was the first form of modern DVD's and CD's.					
e.	e was the first mobile robot with artificial intelligence made by SRI				
	International in 1970.				
f.	In 1976, 5 1/4 inch flexible disk drives were developed in order	er to fit into			
	computers.				
"Today the Internet has become the Second life of the humans". Prove this statement					
u	sing three examples.	(06 marks)			
V	What are the challenges of evaluating correct Information on the Web?	(03 marks)			
Information Technology affects for Creation and Destruction of jobs.					
<b>a</b> .	List two (02) jobs created by IT.	(02 marks)			
<b>)</b> .	List two (02) jobs being destructed by IT.	(02 marks)			
	(Tetal	25 mamba)			





#### Question 02

- i. Name three ethical views. (03 marks)ii. What does it meant by "Professional Ethics"? (03 marks)
- iii. Briefly explain the purpose of Intellectual Property Act No. 36 of 2003 in Sri Lanka.
- (06 marks)
- iv. Briefly explain three Broad Categories of Computer Crimes mentioned under Computer Crime Act No. 24 of 2007 in Sri Lanka (09 marks)
- v. COPA and CIPA are two Acts protecting child in the Internet.
  - a. Expand these abbreviations
  - b. Mention how the child is protected by each Acts. (04 marks)

(Total 25 marks)

# Question 03

- i. Briefly explain two (02) forms of copy right. (04 marks)
- ii. Briefly describe how copy rights protect the author since he/she is an employee.

  (Assume that the author has invented new software module for the project which is being handled by the company.)

  (04 marks)
- iii. A patent protects inventions from copying. List two (02) other benefits of a patent except protecting the inventions. (04 marks)
- iv. NIPO of Sri Lanka offers protection for four (04) kinds of marks. Briefly explain them. (08 marks)
- Computer users face different types of health problems.
  - a. What does it meant by Carpel Tunnel Syndrome? , (02 marks)
  - b. State three (03) practices to avoid the Carpel Tunnel Syndrome (03 marks)

(Total 25 marks)

### Question 04

- i. Mention two (02) high level causes of Computer System failures. (04 marks)
- ii. State two (02) things done by Silver Surfers to decrease their depression. (04 marks)
- iii. State three (03) factors which would affect reliability and safety of an information system. (06 marks)
- iv. Briefly describe the following terms.
  - a. Invisible information gathering
  - b. Secondary use

(08 marks)

- c. Data mining
- d. Computer matching
- "Young people put less value on privacy than previous generations in the Internet".
  - a. Do you agree with this?

(01 marks)

b. Explain your answer.

(02 marks)

(Total 25 marks)

## Question 05

- i. Explain given five moral principles in Code of Ethics by American Counselling Association (ACA). (10 marks)
  - a. Autonomy
  - Justice
  - Beneficence
  - d. No maleficence
  - e. Fidelity
- ii. Mention the main responsibilities of following professional bodies. (04 marks)
  - · a. BCS
  - b. IEEE
- Describe the primary objectives of Computer Society of Sri Lanka (CSSL). (06 marks) iii.
- iv. Write down the names of the international professional bodies denoted by following abbreviations. (05 marks)
  - a. AITP
  - b. ISACA
  - c. IIA
  - d. AOMC
  - e. AAT

(Total 25 marks)

