



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
2nd Year, Second Semester Examination – 2015
HNDIT2403 - Professional Issues in IT

Instructions for Candidates:

Answer Four Questions Only

No. of Questions : 05

No. of Pages : 02

Time : 2 Hours

Question 01

- (i) Briefly describe the following milestones in the field of Information Technology.
- a) Stored Program Computers
 - b) The Bit
 - c) The World Wide Web (03 Marks)
- (ii) a) What is telecommuting? (02 Marks)
- b) List two (02) positive and two (02) negative effects of Telecommuting (04 Marks)
- (iii) “The introduction of computers in the workplace generated many fears”. Do you agree with this statement? Critically evaluate your answer. (04 Marks)
- (iv) Briefly describe 3 effects of computer technology on modern employment. (06 Marks)
- (v) “The latest developments in Information Technology is leading the society in to a dangerous state to live in”. Do you agree with this statement? Justify your answer with appropriate examples. (06 Marks)

Question 02

- (i) What is Ethics? (2 Marks)
- (ii) “Ethical Issues in IT differ from general ethical issues in a variety of ways”. Explain in brief. (5 Marks)
- (iii) Write short notes on the followings. (12 Marks)
- a) Free-Speech Principles
 - b) Filters
 - c) Spam

- (iv) Explain three (03) main ACT Legislation having an impact on ICT development in Sri Lanka. (6 Marks)

Question 03

- (i) List three Principles for Data Collection and Use. (3 marks)
- (ii) a) Explain what is meant by the term copyright in the context of software. (8 marks)
- b) If you discover someone has made a copy of software that you have written and is using it for his/her own purposes, what action can you take? (3 marks)
- c) How does the situation change if the person who copied the software is selling copies to other people? (2 marks)
- (iii) “A condition quite common among computer users is eye-related problems”
- a) List three kinds of eye related problems resulting from computer use. (3 marks)
- b) Give three points that will help to minimize the above problems. (6 marks)

Question 04

- (i) Explain the role of professional body. (5 Marks)
- (ii) What is Professional Ethics? (5 Marks)
- (iii) List out five responsibilities that should be included in Ethical Guidelines for Computer Professionals (5 Marks)
- (iv) You are a relatively junior programmer working on modules that collect data from loan application forms and convert them to formats required by the parts of the program that evaluate the applications. You find that some demographic data are missing from some forms, particularly race and age. What should your program do? What should you do? (10 Marks)

Question 05

- (i) What is meant by the term Silver Surfers? (03 Marks)
- (ii) What are ways the Silver surfers spend their major portion of time (04 Marks)
- (iii) Name the web sites which offer advice and information to Silver Surfers and supporting to form a large virtual social community. (03 Marks)
- (iv) Define the term Digital divide. (03 Marks)
- (v) The knowledge of Ergonomics is very much important for people doing business in modern world. Explain what Ergonomics mean? (05 Marks)
- (vi) Briefly explain how social media effect on privacy. (07 Marks)