



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 – 2020

HNDIT2403/IT4003 - Professional Issues in IT/IT and Society

Instructions for Candidates:

Answer four (04) questions

All questions carry equal marks

No. of questions : 05

No. of pages : 03

Time : Two (02) Hours

Question 01

- I. List three new developments in **Industries** due to Information Technology. (03 marks)
- II. How Information Technology helps Social Networking. (04 marks)
- III. What are the responsibilities of web site operators? (06 marks)
- IV. Write short notes on the following
 - a. Stored Program Computers (1945) (03 marks)
 - b. The Bit (1948) (03 marks)
 - c. Mini Computers (1960) (03 marks)
 - d. IBM 1301 Disk Drive (1961) (03 marks)

(Total 25 marks)

Question 02

- I. How does computer technology help essential daily need? (04 marks)
- II. What is the **Offshoring**? (02 marks)
- III. Explain how you would use computing technology for getting a new job. (06 marks)
- IV. Explain **Utilitarianism** ethical view. (04 marks)
- V. Explain characteristics of Free and Open Source software license. (04 marks)
- VI. List five activities which would be modification or damaging the computer system according to *Computer Crime Act 24 of 2007* in Sri Lanka. (05 marks)

(Total 25 marks)

- I. What are the Supreme Court principles and guidelines of **Free Speech**? (04 marks)
 - II. Write short notes.
 - a. Filters (03 marks)
 - b. Spam (03 marks)
 - III. How do U.S. and European countries identify anonymity users? (04 marks)
 - IV. List five benefits of a patent. (05 marks)
 - V. What is the Trade Secret? (04 marks)
 - VI. List two good practices which would be minimize risk of the *Carpel Tunnel Syndrome*. (02 marks)
- (Total 25 marks)**

Question 04

- I. Fill in the blank using given word(s) below. (02 marks x 10)
 (Level of service, Developing, Success, Online shopping, Online learning, Online job, Reduce, Increase, First, Final, Invisible information gathering, Secondary use, Computer matching, Data mining, Computer profiling, Level of goods, Developed, Failures, Age over 50, Age bellow 18, Age between 18 and 30)
 - a. As technology becomes more common, the issues shift from the rich and poor to
 - b. Non-profit organizations and huge computer companies are spreading computer access to people in countries
 - c. Computer professionals must study to understand the impacts of poor work
 - d. are called *Silver Surfers*
 - e. Silver surfers are spending a majority of their time using search engines and sites
 - f. Silver surfers can their depression while using the internet
 - g. Many new technologies were not very safe when they were developed
 - h. : Collection of personal information about someone without the person's knowledge

- i. : Combining and comparing information from different databases
 - j. : Analysing data in computer files to determine characteristics of people most likely to engage in certain behaviour
- II. Explain **Opt-in and opt-out policies** and **Data retention policy** (05 marks)

(Total 25 marks)

Question 05

- I. List four ways of **Stolen and Lost data** (04 marks)
- II. List three advantages and two disadvantages of **National ID System** (05 marks)
- III. How children are considered while they access the internet (04 marks)
- IV. Compare *1934 Communications Act* and *1968 Omnibus Crime Control and Safe Streets Act* for telephone user privacy (04 marks)
- V. List six functions of **Professional Bodies** (06 marks)
- VI. What is the **Computer Society of Sri Lanka (CSSL)**? (02 marks)

(Total 25 marks)