



**UNIVERSITI TEKNOLOGI TUN HUSSEIN ONN
MALAYSIA**

**FINAL EXAMINATION
SEMESTER II
SESSION 2012/2013**

COURSE NAME : **PROFESSIONAL ETHICS & WORK
SAFETY**

COURSE CODE : **BIC 21102**

PROGRAMME : **2 BIP/BIS/BIW/BIM**

EXAMINATION DATE : **JUNE 2013**

DURATION : **2 HOURS**

INSTRUCTION : **ANSWER ALL QUESTIONS.**

THIS QUESTIONS PAPER CONSISTS OF SEVEN (7) PAGES

SECTION A

- Q1** What term is used to describe a high-speed Internet connection, such as a cable modem or a DSL modem, that is at least 10 times faster than a dial-up Internet connection?
- (A) broadband
 - (B) hypertext
 - (C) Internet2
 - (D) the Matrix
 - (E) World Wide Web
- Q2** The first popular personal computer with a graphical user interface was the _____.
- (A) Apple Macintosh
 - (B) Compaq Presario
 - (C) IBM PC
 - (D) NeXT workstation
 - (E) Tandy TRS-80
- Q3** Listed below are categorized as Ergonomic Hazards **EXCEPT** _____.
- (A) air temperature too hot/cold, low relative humidity
 - (B) offshore duty roster
 - (C) too bright/dim
 - (D) uncomfortable workstation
 - (E) manual lifting
- Q4** The long term goal of OSHA 1994 is to _____.
- (A) promote high standard of safety and health at work in Malaysia
 - (B) create a healthy and safe working culture and environment in Malaysia
 - (C) stimulate high standard of safety and health at work
 - (D) encourage a healthy and safe working culture and environment in Malaysia
 - (E) encourage high standard of health and safety at work
- Q5** "Supply information related to safety and risk" is one of general duties of _____.
- (A) suppliers
 - (B) importers
 - (C) designers
 - (D) manufacturers
 - (E) all of the above

- Q6 A blog is _____.
- (A) a character in Lineage, a popular on-line game
 - (B) a personal journal kept on the Web
 - (C) a person who assumes a false identity in a chat room
 - (D) a special symbol visible on displays that show Unicode characters
 - (E) the Web version of a “couch potato.”
- Q7 Which of the following statements is **TRUE** about acute effects?
- (A) It is caused by short period of exposure (e.g. in seconds or minutes) to high concentrations of a substance
 - (B) It is caused by long period of exposure (e.g. in hours) to high concentrations of a substance.
 - (C) It is caused by long-term effects by repeated or prolonged exposure of a substance.
 - (D) Involve with relatively low levels of a substance
 - (E) Exposure to mineral oil
- Q8 Sometimes it is legal to reproduce a copyrighted work without the permission of the copyright holder. These circumstances are called _____.
- (A) fair use
 - (B) noncommercial use
 - (C) piracy
 - (D) public domain
 - (E) reciprocity
- Q9 Which of the following is **NOT** a right of a copyright holder?
- (A) The right to reproduce the copyrighted work.
 - (B) The right to distribute the work to the public.
 - (C) The right to perform the work in public.
 - (D) The right to prevent others from producing competitive works.
 - (E) The right to produce new works derived from the copyrighted work.
- Q10 Ethics is _____.
- (A) a rational examination of people’s moral beliefs
 - (B) a branch of philosophy
 - (C) one way to determine which activities are “good” and which are “bad.”
 - (D) a field of study more than 2,000 years old.
 - (E) All of the above

- Q11** The proper noun “Kleenex” is protected _____.
- (A) as a trade secret
 - (B) with a trademark
 - (C) with a patent
 - (D) with a copyright
 - (E) all of the above
- Q12** A piece of self-replicating code embedded within another program is called a _____.
- (A) hack
 - (B) rogue
 - (C) Trojan horse
 - (D) virus
 - (E) worm
- Q13** A program with a benign capability that conceals another, sinister purpose is called a _____.
- (A) hack
 - (B) rogue
 - (C) Trojan horse
 - (D) virus
 - (E) worm
- Q14** An intentional action designed to prevent legitimate users from making use of a computer service is called _____.
- (A) a bombing run
 - (B) a curtain closer
 - (C) a denial-of-service attack
 - (D) an electronic overdose
 - (E) phreaking
- Q15** The process giving someone the legal right to practice a profession is called _____.
- (A) certification
 - (B) licensing
 - (C) matriculation
 - (D) professional ethics
 - (E) professional development

- Q16** Which of the following is **NOT** one of the characteristics of a mature profession?
- (A) Code of ethics.
 - (B) Licensing.
 - (C) Mandatory drug testing.
 - (D) Mandatory professional development.
 - (E) Professional education.
- Q17** The Principles and Clauses in the Software Engineering Code of Ethics and Professional Practice _____.
- (A) address every ethical dilemma a software engineer may face
 - (B) provide algebraic formulas for determining the best course of action
 - (C) incorporate every relevant feature into the formulas
 - (D) All of the above
 - (E) None of the above
- Q18** You may find a virus _____.
- (A) on a hard disk
 - (B) on a floppy disk
 - (C) on a CD-ROM
 - (D) in an email attachment
 - (E) All of the above
- Q19** The volume of spam is increasing because _____.
- (A) companies have found it to be effective
 - (B) it is 100 times less expensive than a traditional flyer sent via mail
 - (C) some people respond to spam advertisements
 - (D) All of the above
 - (E) None of the above
- Q20** The process of determining that a user has permission to perform a particular action on a computer is called _____.
- (A) accountability
 - (B) authentication
 - (C) authorization
 - (D) debugging
 - (E) social engineering

(20 marks)

SECTION B

Q21 (a) Define Intellectual Property (IP). (2 marks)

(b) Outline **TWO (2)** conditions that still need to be fulfilled for a person while she / he has a right to the property in their own person and to their own labor. (4 marks)

(c) Give **THREE (3)** differences between trademark and trade secret. (6 marks)

(d) Based on the following scenario, propose **FOUR (4)** factors that need to be considered in determining fair use from the professor's perspective.

A professor puts a few journal articles on reserve in a library and makes them assigned reading for the class. Some students in the class complain that they cannot get access to the articles because other students always seem to have them checked out. The professor scans them and posts on his website. The professor gives the students in the class the password they need to access the articles.

(Quinn 2011, pp. 173)

(8 marks)

Q22 (a) Define what is privacy. (2 marks)

(b) Describe **FOUR (4)** functions of privacy. (8 marks)

(c) Differentiate between personal information, public information and public records. (6 marks)

(d) Compare **TWO (2)** types of censorships. (4 marks)

Q23 (a) Give a brief definition of computer worm. (2 marks)

(b) Compare computer viruses to computer worms. (8 marks)

(c) Differentiate between Hackers and Malicious Hackers (4 marks)

- (d) Propose **THREE (3)** steps that can be done to prevent from hackers' attacks
(6 marks)

- Q24** (a) Explain **TWO (2)** reasons why computer-related career are not considered as a matured profession.
(4 marks)
- (b) Software engineers shall act consistently with the public interest. Outline **TWO (2)** principles related to the statement.
(4 marks)
- (c) Software engineers shall ensure that their products and related modifications meet the highest professional standards possible. Outline **TWO (2)** principles related to the statement.
(4 marks)
- (d) Based on client and employer principle; outline **TWO (2)** actions that must be taken if accidentally you found out that your client's PC contains child pornography materials.
(4 marks)
- (e) Outline **TWO (2)** reasons why some employees become whistleblower.
(4 marks)

-END OF QUESTION-