



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

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

COURSE NAME : INTRODUCTION TO
INFORMATION TECHNOLOGY

COURSE CODE : DAT 10503

PROGRAMME : 1 DAT

EXAMINATION DATE : OCTOBER 2012

DURATION : 2 HOURS

INSTRUCTIONS : ANSWER **ALL** QUESTIONS FOR
PART A AND B

ANSWER **TWO** QUESTIONS FOR
PART C

THIS QUESTION PAPER CONSISTS OF NINE (9) PAGES

PART A OBJECTIVE QUESTIONS (15 marks)

- Q1** In the _____ coding schemes, each byte represents a single character, which can be a number, letter, punctuation mark or other symbol.
- A. Unicode
 - B. ASCII
 - C. EBCDIC
 - D. ASCII and EBCDIC
- Q2** _____ set goals for the organization and direct the company to achieve them.
- A. Top-level managers
 - B. Middle-level managers
 - C. First-level managers
 - D. Low-level managers
- Q3** “The system will take the information that has been extracted from Transaction Processing System (TPS) and generate reports required by the management.”
- The above statement refers to _____.
- A. Decision Support System
 - B. Expert System
 - C. Management Information System
 - D. Office Information System
- Q4** A _____ is a navigation system that consists of one or more earth-based receivers that accept and analyze signals sent by satellites in order to determine the receiver’s geographic location.
- A. Wireless Internet Access Point
 - B. File Transfer Protocol
 - C. Global Positioning Systems
 - D. Groupware

- Q5** An _____ address is a number that uniquely identifies each computer or device connected to the Internet.
- A. Internet Protocol
 - B. Internet Domain
 - C. Internet Service
 - D. Internet Integrated
- Q6** A URL stands for _____.
- A. Uniform Resource Locator
 - B. Universal Resource Locator
 - C. Undefined Resource Location
 - D. Universal Resource Local
- Q7** A _____ is a program that hides within or looks like a legitimate program.
- A. Trojan horse
 - B. Worm
 - C. Spyware
 - D. Back doors
- Q8** The following is **NOT** the advantage of using a network:
- A. Sharing data and information
 - B. Sharing hardware and software
 - C. Transferring funds
 - D. Transferring responsibilities
- Q9** _____ is an applied science devoted to incorporating comfort, efficiency and safety into the design of items in the workplace.
- A. Ergonomics
 - B. Green Computing
 - C. Repetitive Strain Injury
 - D. Computer Vision Syndrome

- Q10** _____ procedures include adding records to, changing records in, and deleting records from a file.
- A. Backup
 - B. Range check
 - C. Validation
 - D. File maintenance
- Q11** Malware is a term that can be used to describe _____.
- A. worms
 - B. spyware
 - C. back doors
 - D. all of the above
- Q12** _____ refers to a company that contract with another company to provide services that might otherwise be performed by in-house employees.
- A. Outsourcing
 - B. E-commerce
 - C. Green computing
 - D. Computer addiction
- Q13** A _____ is simply a question you ask a database.
- A. query
 - B. relationship
 - C. referential
 - D. reference
- Q14** The following is **NOT** the form layout:
- A. columnar
 - B. justified
 - C. tabular
 - D. wizard

Q15 A _____ is a form that is placed in a parent form, called the main form.

- A. command button
- B. combo box
- C. subform
- D. list box

PART B TRUE/FALSE QUESTIONS (15 marks)

- Q16** A field is a combination of one or more related characters or bytes and is the smallest unit of data a user accesses.
- Q17** Process is a guide consisting of orderly steps, which need to be followed and implemented in order to get a certain decision on a certain matter.
- Q18** The job of a programmer is to cooperate with other individuals in the organization to evaluate system requirements.
- Q19** Information systems can be divided into five main categories.
- Q20** Internal users, consisting of the customers who use the company's system for performing transactions, suppliers who use the system for planning sales, and the staff who use the system outside office hours.
- Q21** Wikis is a collaborative web sites that allow users to create, add to, modify, or delete Web site content.
- Q22** A Wi-Fi network uses radio signals to provide Internet connections to wireless computers and devices.
- Q23** A web site has a unique address, called a URL (Universal Resource Locator) or web address.
- Q24** An extranet is the portion of a company's network that allows customers or suppliers of a company to access parts of an enterprise's intranet.
- Q25** Hacker is someone who accesses a computer or network illegally but has the intent of destroying data, stealing information, or other malicious action.
- Q26** MAN (Metropolitan Area Network) is a network that connects computers and devices in a limited geographical area such as a home, school computer laboratory, office building, or closely positioned group of buildings.

- Q27** Cyberextortionist is someone who uses e-mail as a vehicle for extortion. These perpetrators send a company a threatening e-mail message indicating they will expose confidential information, exploit a security flaw, or launch an attack that will compromise the company's network – if they are not paid a sum of money
- Q28** There are three main highways information that supports the Internet travel, which are Jaring, TMNet and COINS.
- Q29** Twisted pair consists of a single copper wire surrounded by at least three layers.
- Q30** Intellectual property (IP) refers to unique and original work such as ideas, inventions, art, writing, processes, company and product names and logos.

PART C STRUCTURE QUESTIONS (20 marks)

- Q31** (a) Define the term data dictionary. (1 mark)
- (b) Explain the **FOUR (4)** skills needed by a system analyst. (2 marks)
- (c) Discuss any **TWO (2)** types of information system. (4 marks)
- (d) Write **TWO (2)** major weaknesses of file processing. (1 mark)
- (e) Give **TWO (2)** examples of titles (post) for top-level managers. (2 marks)
- Q32** (a) Describe **THREE (3)** uses of computer communications. (3 marks)
- (b) State **TWO (2)** examples to prevent hardware theft. (2 marks)
- (c) List **TWO (2)** ways for preventing virus, worm and Trojan horse infections. (2 marks)
- (d) Prepare **THREE (3)** characteristics of an Internet Protocol (IP) address. (3 marks)
- Q33** (a) List **FOUR (4)** advantages of using a network. (2 marks)
- (b) Explain the **THREE (3)** network classifications. (3 marks)

- (c) Sketch the **THREE (3)** network topologies that are commonly used.
(3 marks)
- (d) Define the term latency.
(1 mark)
- (e) Give **ONE (1)** advantage of the bus network.
(1 mark)