UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION
SEMESTER 1
SESSION 2010/2011

COURSE NAME	:	INTRODUCTION TO INFORMATION TECHNOLOGY
COURSE CODE	:	DAT 10503
PROGRAMME	:	1 DTM
EXAMINATION DATE	:	NOVEMBER/DECEMBER 2010
DURATION	:	2 HOURS
INSTRUCTION	:	ANSWER ALL QUESTIONS

THIS QUESTIONS PAPER CONSISTS OF SEVEN (7) PAGES

PART A OBJECTIVE QUESTIONS (30 marks)

Q1 A collection of unprocessed items, which can include text, numbers, images, audio, and video is called _____.

A. information
B. instructions
C. programs
D. data

Q2 A(n) _____ has a design that reduces the chance of wrist and hand injuries.

A. ergonomic keyboard
B. cordless keyboard
C. gaming keyboard
D. function key

Q3 RFID is a technology that uses _____ to communicate with a tag placed in or attached to an object, an animal, or a person.

A. a thin wire
B. pixels
C. radio signals
D. light waves

Q4 The _____ chip, which uses battery power, stores configuration information about the computer.

A. BIOS
B. CMOS
C. POST
D. RAM

Q5 _____ procedures include adding records to, changing records in, and deleting records from a file.

A. Backup
B. Range check
C. File maintenance
D. all of the above

Q6 All of the following are strengths of the database approach, except _____.

A. less complexity
B. improved data integrity
C. easier access
D. reduced development time

Q7 _____ combines text-based links with graphic, audio, and video links.

A. Hypertext
B. Multi-linking
C. Hypermedia
D. Tabbed browsing

Q8 Physical access controls, such as locked doors and windows, usually are adequate to protect against _____.

A. software piracy
B. unauthorized access
C. hardware theft
D. all of the above

Q9 Malware is a term that can be used to describe _____.

A. worms
B. spyware
C. back doors
D. all of the above

Q10 A(n) _____ translate and executes one statement at a time.

A. compiler
B. interpreter
C. source program
D. symbolic address

Q11 In larger companies, users write a formal request for a new or modified information system, which is called a _____.

A. request for proposal (RFP)
B. joint-application design (JAD)
C. project request
D. data-flow design (DFD)

Q12 The formula =$C$3*D3 is located in cell B1. If this was copied and pasted into cell C1, what would the resulting formula be?

	A	B	C	D	E
1		=$C$3*D3	???		
2	3	3	4	6	3
3	5	4	3	8	2
4	4	3	4	9	1

A. = $C$3*B3
B. = $C$3*E3
C. = $C$4*B3
D. = $C$3*E3

Q13 The formula = B2 + A3 is located in cell B3.

	A	B	C	D
1	2	4	5	5
2	3	3	4	6
3	5	=B2+A3	3	8
4	4	3	4	???

If this was copied and pasted into cell D4, the resulting formula would be:

A. =C2+C3
B. =D3+C3
C. =D3+C4
D. none of the above

Q14 Without using the mouse or the arrow keys, what is the fastest way of getting to cell A1 in a spreadsheet?

A. Press ctrl+home
B. Press shift+home
C. Press home
D. Press alt+home

Q15 You enter " 300 orders" in cell A1 and "250 orders" in cell A2. You then select both cells and drag the fill handle down to cell A3. When you release the mouse button, which value will appear in cell A3?

A. 200
B. 250
C. 250 orders
D. 200 orders

PART B TRUE/FALSE QUESTIONS (30 marks)

Q16 The circuitry of the system unit usually is part of or is connected to a circuit board called the server.

Q17 Scanners capture data from a target document, which is the original form of the data.

Q18 The processor interprets and carries out the basic instructions that operate a computer.

Q19 Most photo printers are PictBridge enabled, which requires the use of a computer to print pictures.

Q20 A typical hard disk contains only one platter.

Q21 Bluetooth does not require line-of-sight transmission.

Q22 An intranet is an internal network that uses Internet technologies.

Q23 A Web page has a unique address, called a URL or Web address.

Q24 The data in a key field is different for every record in a file.

Q25 Many methods exist to guarantee completely a computer or network is safe from computer viruses, worms, and Trojan horses.

Q26 A network is a collection of computers and devices connected together via

communications devices and transmission media.

Q27   Instant messaging (IM) is a real-time Internet communications service that notifies you when one or more people are online and then allows you to exchange messages or files or join a private chat room with them.

Q28   Because embedded computers are components in larger products, they usually are large and include extensive hardware.

Q29   Reading is the process of transferring data, instructions, and information from memory to a storage medium.

Q30   Booting is the process of permanently removing a computer from operation.

PART C STRUCTURE QUESTIONS (40 marks)

Q31   E-commerce, short for electronic commerce is a business transaction that occurs over an electronic network such as the Internet. Anyone with access to a computer, an Internet connection, and a means to pay for purchased goods and services can participate in e-commerce. List and explain the three types of e-commerce.

(10 marks)

Q32   When you arrive to work each day, you frequently notice that your keyboard and mouse have been moved from the location you left it in the previous day. In addition, your Web browser's history lists sites that you have not visited. You suspect that someone uses your computer while you are out of the office. Carry out some ways to prevent this?

(10 marks)

Q33   You and two of your coworkers have been tasked with determining an effective backup strategy for your company. Specifically, your supervisor would like to know what storage medium is best for the backed up data. You work for a company that sells electronics, and it is important that all data is backed up at the end of each business day. You inform your supervisor that he can back up his data to a hard disk, an optical disc, or online storage (i.e., Internet hard disk). He

would like more information about each, as well as your recommendation about which medium best suits the needs of the company. Analyze a recommendation for your company's backup media.

(10 marks)

Q34 People used computers in a variety of fields, including education, finance, government, health care, science, publishing, travel, and manufacturing. Although the way people use computers varies, each use of a computer involves computer hardware, computer software, and normally some type of communications capability over networks, such as the Internet. Choose a field you are interested and propose the hardware, software and communications capabilities used in the field.

(10 marks)