FINAL
Examination Paper

(COVER PAGE)

Session : January 2013

Programme : Diploma In Information And Communication Technology (DICTN)

Course : ICT1100 : Principles Of Information Technology

Date of Examination : March 4, 2013

Time : 2:00pm – 4:00pm   Reading Time:  Nil

Duration : 2 Hours

Special Instructions :

Section A : Answer any ALL Multiple Choice questions.

Section B : Answer any THREE (3) questions.

IMPORTANT NOTE : THIS PAPER SHOULD NOT BE TAKEN OUT OF THE EXAMINATION HALL

Materials permitted : Nil

Materials provided : OMR sheets

Examiner (s) : Ms. Mahaletchuny Ramakrishnan, Koh Chong Lin.

Moderator : Dr. Ahmad Suhaimi Baharudin

This paper consists of 7 printed pages, including the cover page.
SECTION A:

Instructions: This section consists of TWENTY (20) questions. Answer ALL questions in the OMR sheet provided. All questions carry equal marks. (40 marks)

1. A _________ is an electronic device, operating under the control of instructions stored in its own memory.
   (A) calculator
   (B) computer
   (C) vehicle
   (D) appliances
   (E) machine

2. Green computing includes all the following strategies, EXCEPT ________.
   (A) Recycling
   (B) Regulating manufacturing processes
   (C) Increasing electricity consumption
   (D) Extending the life of computers
   (E) Immediately donating or properly disposing of replaced computers

3. The _________ is a worldwide collection of networks that links millions of businesses, government agencies, and educational institutions.
   (A) Communication
   (B) Business
   (C) Internet
   (D) Telecommuting
   (E) Globalisation
4. The transmission of messages and files via a computer network refers to __________.

(A) chat  
(B) blog  
(C) spam  
(D) e-mail  
(E) bulletin

5. Which of following business software allows users to create and manipulate documents?

(A) Spreadsheet  
(B) Word processor  
(C) Database  
(D) Presentation  
(E) Publisher

6. A __________ is a collection of data organized in a manner that allows access, retrieval, and use of that data.

(A) Image Editor  
(B) Web page  
(C) Note Taking  
(D) Presentation  
(E) Database

7. The main circuit board of the system unit is called the __________.

(A) Fatherboard  
(B) Motherboard  
(C) Brotherboard  
(D) Sisterboard  
(E) Keyboard

8. Which component of the processor performs arithmetic, comparison, and other operations?

(A) Control unit  
(B) Arithmetic Logic Unit  
(C) Cache  
(D) Register  
(E) Chip
9. All of the following are widely used input devices, EXCEPT _________.
   
   (A) keyboard and mouse  
   (B) microphone and scanner  
   (C) digital camera and PC video camera  
   (D) printer and monitor  
   (E) voice input and video input

10. What is OMR?

   (A) Objective Mark Reader  
   (B) Optical Mark Reader  
   (C) Optical Mark Recorder  
   (D) Optical Mark Recognition  
   (E) Object Mark Recognition

11. The number of horizontal and vertical pixels in a display device is known as _________.

   (A) Resolution  
   (B) Sharpness  
   (C) Clarity  
   (D) Performance  
   (E) Coordinate

12. What is LCD?

   (A) Liquid Clear Display  
   (B) Liquid Crystal Display  
   (C) Liquid Clear Dimension  
   (D) Liquid Crystal Data  
   (E) Liquid Clear Data

13. A ________ contains one or more inflexible, circular platters that use magnetic particles to store data, instructions, and information.

   (A) ports  
   (B) memory  
   (C) floppy disk  
   (D) pen drive  
   (E) hard disk
14. Internet service that provides storage to computer user to view time-critical data and images immediately is called _________.

(A) External storage  
(B) Internal storage  
(C) cloud storage
(D) backup storage  
(E) recovery storage

15. The magnetically coated ribbon of plastic capable of storing large amounts of data and information refers to _________.

(A) Hard disk  
(B) Tape  
(C) Optical disk  
(D) Smart card  
(E) Microfilm

16. What is CAD?

(A) Computer Aided Document  
(B) Computer Aided-Design  
(C) Computer Assisted-Design  
(D) Computer Aided-Development  
(E) Computer Assisted-Development

17. A (n) ________________ is a set of programs containing instructions that work together to coordinate all the activities among computer hardware resources.

(A) System software  
(B) Utility program  
(C) Operating System  
(D) Server program  
(E) Client program

18. What is GUI?

(A) Graphical User Interaction  
(B) Graphical User Interconnection  
(C) Graphical User Internet  
(D) Graphical User Interface  
(E) Graphical User Interpretation
19. The online or internet-based illegal act is called ____________.

   (A) Spam
   (B) Hacking
   (C) risk
   (D) Cybercrime
   (E) Spoofing

20. A (n) ____________ is hardware and/or software that protect a network’s resources from intrusion.

   (A) Backup
   (B) Firewall
   (C) Recovery
   (D) Authentication
   (E) Authorization

SECTION B

Instruction: This paper consists of FOUR (4) questions. Answer any THREE (3) questions in the answer booklet provided. All questions carry equal marks.  (60 marks)

Question 1

(a) Identify and explain FOUR (4) Internet and Network attacks.  (8 marks)

(b) List and explain any THREE (3) ways how can users safeguard against network attacks.  (6 marks)

(c) Identify and explain any THREE (3) options for backing up computer resources.  (6 marks)

Question 2

(a) What is system software; and explain the TWO (2) types of system software with one example for each.  (6 marks)

(b) Identify and explain any FOUR (4) functions of an Operating System.  (8 marks)

(c) Identify and explain any THREE (3) utility programs and its function.  (6 marks)
Question 3

(a) What is cloud storage; and list any FIVE (5) of its advantages. (6 marks)

(b) Identify any THREE (3) output options available for physically challenged users. (6 marks)

(c) Identify and explain any FOUR (4) input devices for physically challenged users. (8 marks)

Question 4

(a) Identify and explain any FIVE (5) forms through which software is available. (10 marks)

(b) Identify and explain any FIVE (5) key features of widely used business programs. (10 marks)

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