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SCHOOL OF ACCOUNTING AND BUSINESS
BSc. (APPLIED ACCOUNTING) GENERAL / SPECIAL DEGREE
PROGRAMME

YEAR I SEMESTER I (INTAKE VI – GROUP B)
END SEMESTER EXAMINATION – SEPTEMBER 2016

ICT 10130 Introduction to Information Technology

Date : 17th September 2016
Time : 1.00 p.m. - 3.00 p.m.
Duration : Two (02) Hours

Instructions to Candidates:

- Write the Index Number in the space provided at the top of this sheet. Do not write your name anywhere in this question paper.
- This paper consists of two parts (A and B)
- Part A - Answer **all** questions on the question paper itself.
- Part B - Answer any **Two (2)** questions out of the Three (3) questions.
- The total marks for the paper is 60.
- The marks for each question are shown in brackets.
- Answers should be written neatly and legibly.

Part A
Multiple Choice Questions

Question No. 01

Answer **ALL** Questions.

1. Charles Babbage is considered as the father of computer because he
 - a. invented mechanical adding machine called Pascaline.
 - b. invented the first programmable mechanical computer.
 - c. developed the first electronic computer named ENIAC.
 - d. provided the leadership for the development of first personal computer.

Answer:

2. Communication between computing devices is achieved by physically connecting them together and setting up of strict rules for communication to take place. These rules are more appropriately termed as
 - a. protocols.
 - b. topologies.
 - c. network settings.
 - d. packetisation.

Answer:

3. Which of the following storage devices allows access to data sequentially?
 - a. Optical disc
 - b. Flash drive
 - c. Hard disk
 - d. Magnetic tape

Answer:

4. In programming, converting a high level language instructions into machine language instructions is done by
- a. device drivers.
 - b. utility software.
 - c. converters and interactors.
 - d. compilers and interpreters

Answer:

5. The logic element that identifies second generation computers is called
- a. vacuum tube.
 - b. transistor.
 - c. integrated circuit.
 - d. diode.

Answer:

6. Which of the followings is **not** a main function of an operating system?
- a. Managing computer resources
 - b. Providing an interface for users and applications
 - c. Executing applications
 - d. Detecting malicious software

Answer:

7. Which of the following technologies is likely to be used for cash less payments in public transport system in the near future in Sri Lanka:
- a. Near Field Communication (NFC)
 - b. Radio Frequency Identification (RFID)
 - c. Credit Cards
 - d. Dialog eZCash

Answer:

8. The ascending order of the data transmission capacity on widely used wired transmission media is given by
- a. Fiber-optic, Coaxial cable, Twisted pair
 - b. Twisted pair, Coaxial cable, Fiber-optic
 - c. Coaxial cable, Twisted pair, Fiber-optic
 - d. Coaxial cable, Fiber-optic, Twisted pair

Answer:

9. "Amazon Price Check" is an example for a
- a. system utility.
 - b. firmware.
 - c. desktop application.
 - d. mobile app.

Answer:

10. A computer is capable of performing almost any task, provided that it can be
- a. coded electronically.
 - b. memorized electronically.
 - c. reduced into logical steps.
 - d. summarized into a logical step.

Answer:

11. The parts of a typical information system are
- a. end users, software and hardware.
 - b. end users, software, hardware and procedures.
 - c. end users, software, hardware, procedures and data.
 - d. end users, software, hardware, procedures, data and connectivity.

Answer:

12. MICR devices are used

- a. to read barcodes.
- b. to read figures written in a magnetic ink.
- c. to detect the amount of reflected light as an input.
- d. for Mic input recognition.

Answer:

13. A 16-bit code introduced to support international languages like Chinese and Japanese is

- a. ASCII.
- b. EBCDIC.
- c. Unicode.
- d. Binary Code.

Answer:

14. The average number of movie tickets sold daily online is an example of

- a. raw data.
- b. information.
- c. feedback.
- d. fact.

Answer:

15. The bar code on a concert ticket is an example of

- a. raw input.
- b. sales information.
- c. product data.
- d. raw output.

Answer:

16. Which of the followings is used for moving data among the internal components and delivering it through ports to the external components of a computer?

- a. bus
- b. slot
- c. word
- d. bluetooth

Answer:

17. What is the 8-bit binary equivalent of decimal 13?

- a. 1111 0010.
- b. 0000 1101
- c. 1111 0011.
- d. 0000 1110.

Answer:

18. The input required for the output of X NAND Y to equal one is

- a. $X = 0, Y = 0$.
- b. $X = 0, Y = 1$.
- c. $X = 1, Y = 0$.
- d. all of the above.

Answer:

19. Which of the following statements is **not** true with respect to the social networking?

- a. Social networking play a very important role in maintaining family relationships.
- b. Privacy settings of social networks cannot assure privacy of users completely.
- c. Publishing private information in social networks cannot lead to unfortunate situations.
- d. Real identity of a person is not always guaranteed in social networks.

Answer:

20. _____ that often work with firewalls conceal the internal network structure and thereby make computers and users on internal network anonymous.

- a. Web servers
- b. Proxy servers
- c. Terminals
- d. Client computers

Answer:

(Total 40 marks)

Part B

Answer any **TWO (2)** questions out of the **THREE (3)** questions

Question No. 02

- a. Describe the difference of Applications software and Systems software giving clear examples.
(05 marks)
- b. Using three examples, discuss how software utilities make computing easier by providing tools to correct and avoid problems.

(05 marks)

(Total 10 marks)

Question No. 03

- a. Giving examples, describe the characteristics of two different secondary storage devices used in computers.
(05 marks)
- b. Giving suitable examples, discuss the advantages of using direct entry input devices over keyboard entry input devices in computers.

(05 marks)

(Total 10 marks)

Question No. 04

- a. Giving clear examples, describe the elements of a communication system used for computer data communication.

(05 marks)

- b. Giving examples, discuss the advantages and disadvantages of Cloud computing.

(05 marks)

(Total 10 marks)