DEVI BALIKA VIDYALAYA – COLOMBO 08

Second Term Test - 2016

Information Communication Technology - I

Grade 10

1/2 hour

Name:..Index No.:....................

1. Which of the following is not a form of data?
   - (1) numbers and characters
   - (2) images
   - (3) No.75,Main Street,Belingham.
   - (4) Sound

2. What is the name of the first calculating device?
   - (1) ENIAC
   - (2) EDVAC
   - (3) Analytical Engine
   - (4) Abacus

3. Who invented the punch cards?
   - (1) Joseph Marie Jacquard
   - (2) Charles Babbage
   - (3) Herman Hollerith
   - (4) Howard Aiken

4. Which one of the following is not a feature of second generation?
   - (1) Use of transistors
   - (2) Store instructions in the memory
   - (3) Use of machine or assembly language
   - (4) Use of operating system

5. What is the technology used in 3rd generation computers?
   - (1) Integrated Circuits
   - (2) Transistors
   - (3) Vacuum Tubes
   - (4) Assembler

6. Signals can be analog or digital and a computer that processes the both type of signals is known as
   - (1) minicomputer
   - (2) Digital Computer
   - (3) Hybrid Computer
   - (4) Mainframe Computer

7. An example of a digital device can be
   - (1) Digital clock
   - (2) Automobile speed meter
   - (3) Clock with a dial and two hands
   - (4) All of the above

8. What does MICR stand for?
   - (1) Magnetic Ink Character Reader
   - (2) Magnetic Ink Code Reader
   - (3) Magnetic Ink Cases Reader
   - (4) None

9. What is required when more than one person uses a central computer at the same time?
   - (1) Light pen
   - (2) Mouse
   - (3) Digitizer
   - (4) Terminal

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10. "Thermal printer" is a type of
    (1) Matrix printer   (2)Impact printer   (3) Laser printer   (4) Non impact printer

11. How is the clock rate of a CPU of a modern Personal Computer (PC) is usually expressed in?

    (1) GHz (GigaHertz)   (2) Mbps (Megabits per second)
    (3) GB (GigaBytes)   (4) IPS (Instruction Per Second)

12. Which is the type of memory for information that does not change on your computer?
    (1) RAM   (2) ROM   (3) ERAM   (4)RW / RAM

13. Which of the following statements is incorrect regarding the computer memory?

    (1)Memory refers to the primary memory or internal memory of the computer .
    (2) It holds data & program instruction for processing.
    (3) If the electrical power is cut off then the stored data & instruction will be lost.
    (4) It is the place where arithmetic and logic operations are done.

14. Which of the following is not a primary storage device?
    (1) Magnetic tape   (2)Magnetic disk   (3) Optical disk   (4) All of the above

15. Which of the following statements are true?

    A - A bit is the smallest unit of information that a computer can process.
    B - A bytes is the smallest unit of information that a computer can process.
    C - A bit contains 8 bytes.
    D - A byte contains 8 bits.

    (1) A and C   (2) A and D   (3) B and C   (4) B and D

16. The device which is used for both input and output is ————— .

    (1) CPU   (2) Touch Screen   (3) LCD Screen   (4) Scanner

17. Which technology is used in Compact disks?
    (1) Mechanical   (2) Electrical   (3) Electro Magnetic   (4) Laser

18. Identify the correct order of Data Storage of the following

    (1) Floppy ,Hard disk, CD, ZIP disk   (2) ZIP Disk, Hard disk, CD, Floppy
    (3) Floppy, ZIP disk, CD, Hard disk   (4) CD, Hard disk, Floppy, ZIP disk

19. Which of the following ports is shown in the picture below?

    (1)DVI port   (2)Fireware port   (3)VGA port   (4)Parallel port

20. The parallel is used to connect basically _____
    (1)I/O devices   (2)Speakers   (3) Printer   (4)Monitor

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Information Communication Technology - II

Grade 10

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Name:..Index No.:..................

Answer all questions.

(01)

I.   Give 2 examples for data.
II.   What are the components of a computer system.
III. Write down 2 differences between 1st generation computer and 2nd generation computers.
IV.   State the types of computers according to technology.
V.   Match column A with column B. Write the letters and relevant numbers of them.

A	B
(a) Blaise Pascal	(1) Punch Card
(b) Joseph Jacquard	(2) Analytical Engine
(c) Charles Babbage	(3) MARK I
(d) Howard Aiken	(4) Adding Machine

Vi.   Who was considered as the first programmer of computing?
vii. Write two features of a computer.
viii. Give 2 examples for secondary storage devices.
ix.   Write down 2 features of non-impact printers.
x.   What is "clock speed"?

(2x10=20)

(02)

i.   Explain Data and Information using an example.
ii.   State 3 differences between Data and Information.
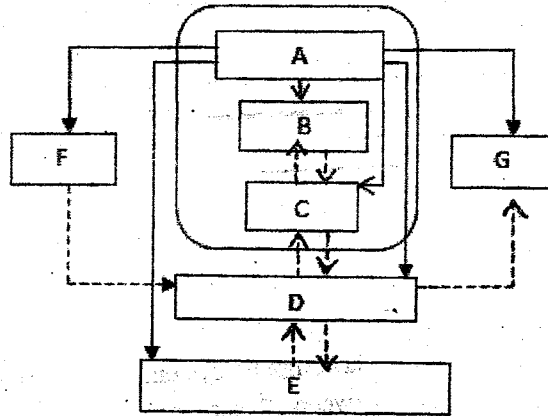i.   State 5 characteristics of information.

(10 marks)

(03)

i.   Write down 2 services providing by e-Government for their citizens.
ii.   Write down 3 features of Distance Learning.
ii.   State five computer generations and technology used in each generation.

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(10 Marks)

(04)

Block diagram of a computer is given below.

i. Name the components labeled by A,B,C,D,E ,Fand G
ii. What is the main function of B?
iii. Give one example for F
iv. Give two examples for G
v. What is the main function of C?

(10 marks)

(05)

Describe the following topics briefly.

i. The impact of social Networking sites on school children.
ii. Use of ICT in medical sector.
iii. Bad effects of the Internet.

(10 marks)

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