Grade 10 ICT

Examination on Units 1, 2, 3, 4

Time 40 Min.
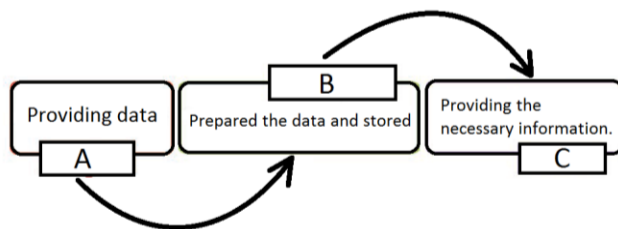
1) Which of the following is **not** a Data?
    1) Kamal's Height is 150cm
    2) Ratha got 78 marks in Maths
    3) Today's Temprature is 34°C
    4) Maths Average marks is 67.52

2) Which of the following is **unprocessed**…
    1) Kavi is 15 years old.
    2) Ratha got highest marks of 85
    3) Students got highest marks of 65
    4) Maths average marks is 67.52

3)

The correct order of letters A, B, C…

	A	B	C
1)	Input	Processing	Output
2)	Processing	Input	Output
3)	Storage	Processing	Output
4)	Input	Output	Storage

4) The number 167 is **unsuitable** to which number system?
    1) Decimal(Base10)
    2) Binary(Base2)
    3) Octal(Base8)
    4) Hexadecimal(Base16)

5) Which is the correct **BCD** value of the number 4568?
    1) 1010 1101 0011 0010
    2) 0111 0101 0100 0100
    3) 0100 0101 0110 1000
    4) 0010 0101 0110 1000

6) Which one is the **Primary** Memory?
    1) RAM
    2) Floppy
    3) CD
    4) Hard Disk

7) Join the following…

	Sector		Usage
A	e-Government	I	CAT, MRI, ECG, EEG
B	Education	II	Drip Irrigation
C	Health	III	G2C, G2G, G2B, G2E
D	Agriculture	IV	LMS, e-thaksalawa

1) A(II), B(IV), C(I), D(III)
2) A(III), B(I), C(IV), D(II)
3) A(III), B(IV), C(I), D(II)
4) A(III), B(II), C(I), D(IV)

8) Join the following…

	Person		Invention
A	Blaise Pascal	I	Mechanical Loom
B	Charles Babbage	II	Adding Machine
C	Joseph Jacquard	III	Analytical Engine
D	Howard Aiken	IV	Automatic Sequence Control Calculator

1) A(II), B(III), C(I), D(IV)   2) A(III), B(I), C(IV), D(II)

3) A(II), B(IV), C(I), D(III)   4) A(III), B(II), C(I), D(IV)

9) Join the following…

	Generation		Used Electronic Component
A	1st Generation	I	Transistors
B	2nd Generation	II	Integrated Circuits
C	3rd Generation	III	Vacuum Tubes
D	4th Generation	IV	Very Large Scale Integrated Circuits

1) A(II), B(III), C(I), D(IV)   2) A(III), B(I), C(II), D(IV)

3) A(II), B(IV), C(I), D(III)   4) A(III), B(II), C(I), D(IV)

10) Which is **not** a computer's characteristic…

1) Speed   2) Accuracy   3) Intelligence   4) Versatility

11) According to their size, which one illustrates the correct **descending** order?

1) Micro Computer > Mini Computer > Main frame Computer > Super Computer

2) Super Computer > Main frame Computer > Mini Computer > Micro Computer

3) Super Computer > Mini Computer > Main frame Computer > Micro Computer

4) Super Computer > Main frame Computer > Micro Computer > Mini Computer

12) The correct order of Input, Output and Storage Devices…

	Input Devices	Output Devices	Storage Devices
1)	Hard Disk	Monitor	Mouse
2)	Microphone	Barcode Reader	Plotter
3)	Mouse	Multimedia Projector	MICR
4)	Keyboard	Printer	CD

13) The correct classification of secondary storage devices…

	Magnetic Media	Optical Media	Solid State
1)	Blu-Ray	Floppy	Flash Drive
2)	Magnetic Tape	Memory Card	Blu-Ray
3)	DVD	CD	Flash Drive
4)	Hard Disk	CD	Memory Card

14) Correct examples for Data Transmission Modes…

	Simplex Mode	Half-duplex Mode	Full-duplex Mode
1)	Hand phone	News Paper	Fax
2)	TV	Willkie-Talkie	Telephone
3)	Radio	SMS	TV
4)	Computer	Fax	Radio

15) What is the **Hexadecimal notation** for the colour <u>Light Red</u> which have the R,G,B values of 255, 182, 193?

   1) #FFB6C1   2) #FFB5C0   3) #FFC1B5   4) #FEB6C1

16) Most Significant Digit(**MSD**) and Least Significant Digit(**LSD**) of the decimal number 0123.20?

   1) 0, 0   2) 1, 0   3) 1, 2   4) 0, 2

17) Most Significant Bit(**MSB**) and Least Significant Bit(**LSB**) of the Binary number 0110.10?

   1) 0, 0   2) 0, 1   3) 1, 0   4) 1, 1

18) What are the **Binary**, **Octal**, and **Hexadecimal** values of the decimal number 653?

	Binary Value	Octal Value	Hexadecimal Value
1)	1010001101	1215	28D
2)	1110001101	1315	24D
3)	1010001101	1235	18D
4)	1010011101	1515	28D

19) The correct **Ascending** order of storage devices according to their **storage capacity**.

   1) Magnetic Tape, Hard Disk, CD, Floppy Disk

   2) Hard Disk, CD, Cache Memory, Registers

   3) Registers, Cache Memory, CD, Hard Disk

   4) Floppy Disk, CD, HardDisk, Cache Memory

20) The correct **Descending** order of storage devices according to their **Data Access Speed**.

   1) Registry Memory, Cache Memory, Flash Memory, Hard Disk

   2) Hard Disk, CD, Cache Memory, Registry Memory

   3) Magnetic Tape, Hard Disk, CD, Floppy Disk

   4) Floppy Disk, CD, Hard Disk, Cache Memory,

21) If the ASCII values for the characters I, C, T is respectively 73, 67, 84.

   Then write down the ASCII code of ICT in binary numbers...

   1) 1110011 1100111 1000100   2) 1001001 1000011 1010100

   3) 1001001 1000001 1010100   4) 1001001 1000001 1010010

22) How many bits are used in the following coding systems ASCII, BCD, EBCDIC, Unicode?

   1) 127, 10, 255, 65536   2) 4, 7, 8, 16   3) 7, 10, 16, 32   4) 7, 4, 8, 16

23) Which one consists of Basic Logic Gates?

   1) NAND, NOR, NOT   2) AND, OR, NOT   3) OR, NOR, XNOR   4) AND, NAND, XOR

24) How many states in the truth table as there are x inputs?

   1) x^2 2) 2^x 3) $2x$ 4) $2^{(x-1)}$

25) The correct output for the following logic circuit diagram?
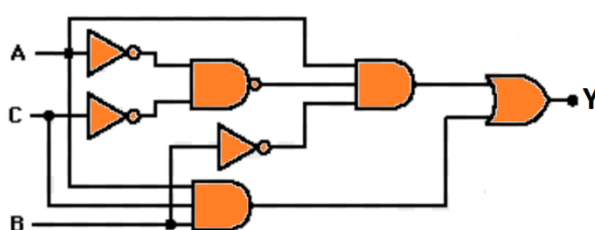
1) $Y = ABC + A\bar{B}(\overline{\overline{A}\,\overline{C}})$

2) $Y = ABC + \overline{AB}(\overline{\overline{AC}})$

3) $Y = \overline{A}BC + \overline{AB}(\overline{\overline{AC}})$

4) $Y = ABC + A\bar{B}(\overline{\overline{\overline{A}\overline{C}}})$