Jaffna Hindu College

1st Term Examination - 2023

Grade - 9	Information & Communication Technology	Time : 2.00 Hours

Name / Index No. .....

Part 1

Answer all questions. Underline the correct answer on the paper itself.

1) Which of the following device can act as input and output device?
(1) Monitor (2) Flatbed scanner (3) Touch screen (4) Headphone

2) Which of the following is not a peripheral device?
(1) CD (2) Speaker (3) Monitor (4) CPU

3) Which of the following is an equivalent of 2000 MHz?
(1) 0.5GHz (2) 2GHz (3) 2KHz (4) 1.95GHz

4) Which of the following is the main memory of the computer?
(1) Hard disk (2) Magnetic tapes (3) Flash drive (4) Random Access Memory

5) Which of the following is an output device?
(1) Joystick (2) DVD (3) Speaker (4) RAM

6) Intel Pentium IV is an example for
(1) Dual core (2) Hexa core (3)Quad core (4) Single core

7) Which port is used to connect the computer to a computer network?
(1) Ethernet (2) HDMI (3) RJ11 (4) USB

8) Which of the following is the free and open source operating system?
(1) Windows 8 (2) Mac (3) Ubuntu (4) Windows 10

9) Which of the following port is not used for connecting the monitor with computer?
(1) Parallel port (2) VGA port (3) DVI port (4) HDMI port

10) Which of the following device is used to store a large volume of data in the computer?
(1) USB drive (2) CD (3) Hard disk (4) SD card

11) The person who designs the information system.
(1) Programmer (2) System Analyst (3) Software Engineer (4) Web developer

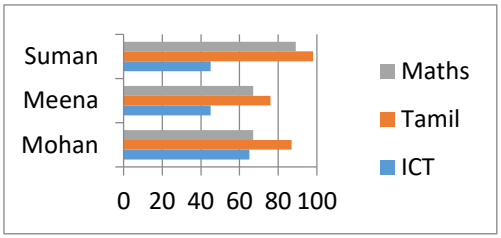
12) Which of the following is not a spreadsheet software?
(1) Google sheets (2) Ms Excel (3) Google docs (4) Numbers

13) Which of the following is the file extension of Ms excel file?
(1) docx (2) exe (3) xlsx (4) txt

14) What is the shortcut key for tool paste in Ms Excel?
(1) Ctrl + P (2) Alt + P (3) Ctrl + V (4) F2

15) Collection of multiple worksheets in a spreadsheet software is
(1) Documents (2) Database (3) Presentation (4) Workbook

16) Which chart is displayed in the given figure?
(1) Column chart (2) Line chart (3) Bar chart (4) Pie chart



17) Which of the following is the result of the formula =5+6*4/12?

(1) 3.6 (2) 7 (3) 2.4 (4) 6.9

Questions 18 to 20 are based on the given spreadsheet segment.

	A	B	C
1	5	7	
2	3	9	
3	4	8	12

18) Which of the following will appear in cell C1 if the formula =Average(A1:B2) is entered to cell C1?

(1) 9 (2) 8 (3) 24 (4) 6

19) Which of the following will appear in cell C2 if the formula entered in cell C1 is copied to cell C2?

(1) 22 (2) 24 (3) 6 (4) 4

20) What would be the result of the formula =Sum(A1:B2)/Count(A1:B2)?

(1) 24 (2) 4 (3) 6 (4) 96

[20X1 = 20 Marks]

Part II

➢ Answer ***all*** *the questions on the paper itself.*

1) (a)

i) Write two non-portable computers.

……

ii) Write two portable computers.

……

iii) Write the name of the computer used in computer networks to manage the other computers in it.

……

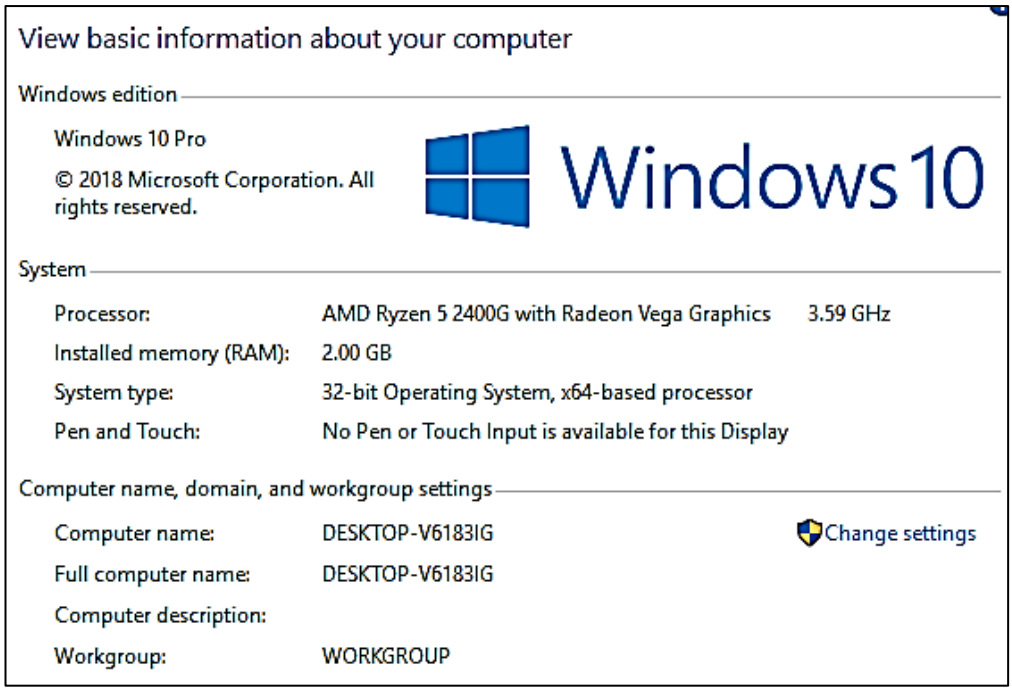
iv) Write any *two* peripheral devices used in computers.

……

v) What is the name of the person / user who maintains and manages computer networks?

…… [5X2 = 10 Marks]

(b) Use the below figure which shows the specifications of a computer to answer the questions.



i) What is the speed of the microprocessor?

……

ii) Which company manufactured this microprocessor?

……

iii) What is the capacity of main memory?

……

iv) Which company developed the operating system used in this computer?

……

v) What operating system is used in this computer?

……

[5X2 = 10 Marks]

2) Fill in the blanks using the most appropriate word from the list of words given.

i) Intersection of a column and a row is ……

ii) ……. displays the active cell address

iii) Values are …….. aligned by default in a cell

iv) …….. is used to copy a formula from one cell to another

v) Labels (text) are …….. aligned by default in a cell

List of words: [Center, Cell, Left, Fill handle, Right, Name box]

[5X3 = 15 Marks]

3) State whether the following statements are "**True**" or "**False**".

(i) Random Access Memory is the brain of the computer [……]

(ii) CRT monitors consume more electricity than LCD monitors [……]

(iii) Application software can only be installed in computers after installing operating system [……..]

(iv) The function "count" can be used for counting both letters and values [……]

(v) There are six cells in the cell range B3: C6 [……..]

[5X3 = 15 Marks]

4) The following spreadsheet segment shows the rainfall details of some districts for the last three months of the year 2022. The average rainfall is given in millimeters (mm). Use this worksheet for answering the given questions.

	A	B	C	D	E	F
1	**The average rainfall in October to December 2022**					
2	**Districts**	**October**	**November**	**December**	**Total**	**Average**
3	Colombo	39.6	40.6	39.7		
4	Jaffna	40	39.6	41.3		
5	Kandy	45.6	45	46		
6	Galle	45.3	43.8	44		
7	Matara	45	44.7	43.9		
8	Mannar	34	30.3	35.6		
9	**Highest rainfall**					
10	**Lowest rainfall**					

i) Write a formula to display the total rainfall of all three months for Colombo district in cell E3.

……

ii) Write a formula to calculate the average rainfall for three months of Colombo in cell F3.

……

iii) The steps needed for calculating the average rainfall of other districts are given below with missing labels A to D. Fill in the blanks with suitable words.
Select the cell …… A …….
Click the icon on the ribbon for …… B ……
Select the cell range …… C ……
Click the icon on the ribbon for …… D ……..
[Write the suitable terms against the labels in the space provided below]
……

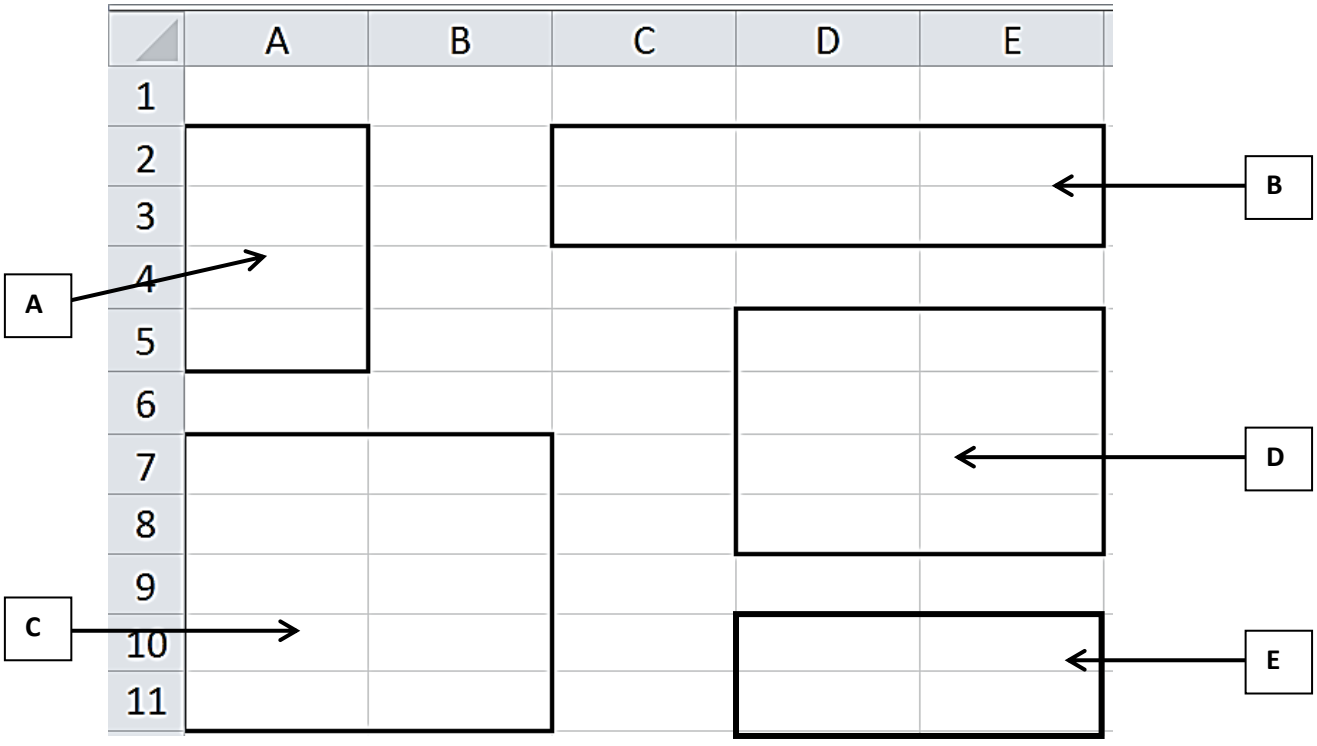
iv) State a formula to be written in cell B9 to display the highest rainfall among all six districts for the month of October.
……

v) State a formula to be written in cell B10 to display the lowest rainfall among all six districts for the month of October.
……

vi) Suggest two chart types to present the rainfall details of all six districts for the three months.
……

[2,2,4,4,4,4 Marks]

5) The following worksheet shows different cell ranges which are labelled as A to E. Write the correct cell range against the label in the given blanks.



A : ……

B : ……

C : ……

D : ……

E : …… [5X2 = 10 Marks]