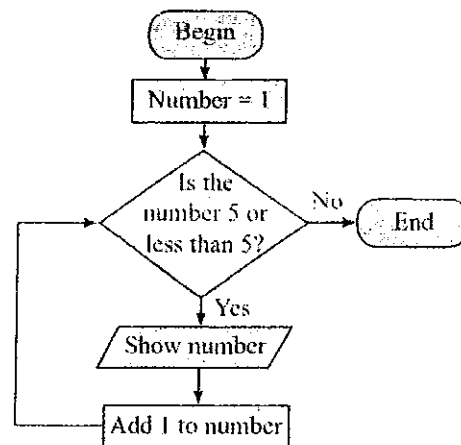| St. Peter's College - Colombo 04			
Grade 9- Second Term Test 2022			
Information and Communication Technology			
Duration : 1 hour	Practical		20
	Theory		80
Name :	Total Marks		100
Class No:			
Class :			

(1) Underline the correct answer.

1. Which of the following users develops software?
   a. Programmer
   b. Web programmer
   c. Software Engineer
   d. System Analysts

2. Which of the following is an example for non-portable computer?
   a. Server computer
   b. Laptop computer
   c. Tablet computer
   d. Desktop computer

3. 10 MB approximately equals to,
   a. 10*1000*1000 bytes
   b. 5*1000*10000 kilobytes
   c. 10*1000*10000*1000 bytes
   d. 5*1000*10000*1000 kilobytes

4. An example for a free and open source operating systems,
   a. DOS
   b. Windows
   c. Linux
   d. IOS

5. Identify the icon given below in MS Excel.

    `·00  →·0`
    `←·0  ·00`

   a. Increase and decrease decimal
   b. Percentage
   c. Currency
   d. Decimal number

6. Which of the following functions is used to count the numbers and texts in a given range?
   a. COUNT
   b. COUNTA
   c. NUMBERCOUNT
   d. NUMBER

1

7. Which of the following is an output device that can be connected to sound port?
   a. Microphone
   b. Headphone
   c. Monitor
   d. HDMI cable

8. Which of the following is an example for Video port?
   a. DVI
   b. LCD
   c. OLED
   d. LED

9. Serial port is used to connect .... to the computer system.
   a. Printer
   b. Scanner
   c. Modem
   d. Fax machine

10. Which of the following is/are a specific feature/s of a spreadsheet package?
    a. Name box
    b. Cell
    c. Formula bar
    d. All of the above

11. Which of the following devices can be categorized as optical device?
    a. Hard disk
    b. Monitor
    c. Magnetic tape
    d. Modem

12. Which of the following are correct set of control structures in algorithms?
    a. Sequence, Selection, Repetition
    b. IF, Do while, For
    c. Selection, Repeat until, For
    d. For, Repeat until, Do while

13. The output of the following flow chart is,

    a. 1, 2,3,4,5
    b. 1,2,3,4
    c. 2,4,6,8
    d. 2,3,4,5

14. Arrays in scratch programming is known as
    a. Variables
    b. Lists
    c. Index
    d. Constants

2

15. Following symbol is used for............................ in scratch programming

    a. repetition a set number of times
    b. repetition based on a condition
    c. endless repetition
    d. selecting an option out of several options

16. Which of the following is an input for preparing an invoice?
    a. Calculating the total bill for the invoice
    b. Calculating discount value
    c. Total amount to be paid
    d. Item description, number of items and unit price

17. Which of the following is a technical specification of a computer?
    a. RAM capacity   c. Computer price
    b. Warranty   d. Company reputation

18. Which of the following devices can't be connected to USB port?
    a. Web Camera   c. Digital Camera
    b. Barcode Reader   d. Multimedia Projector

19. Following symbol is used to represent ....
    a. Wifi   c Infrared
    b. Blue tooth   d. Radio waves

20. Which of the following device doesn't have the micro controller?
    a. Solar Lamp   c. ATM
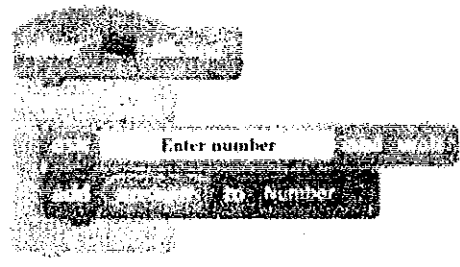   b. Washing machine   d. Microwave oven

(40 Marks)

(2) Following spreadsheet figure shows marks obtained by grade 9 students at their term examination. Provide answers using relevant functions in excel. (12 Marks)

	A	B	C	D	E	F	G	H
1	Name	Maths	Science	English	History	Sinhala	Total	Average
2	M.Saman Kumara	54	68	51	91	74		
3	K.Rajarathnam	67	81	47	65	ab		
4	A.Dinithi Udeshika	75	56	72	52	53		
5	M.U.Mifraj	ab	63	69	67	89		
6	A.Dilki Ridmika	60	76	89	87	ab		
7	T.Jayani Saranga	62	54	68	82	51		
8								
9	Maximum Marks							
10	Minimum Marks							
11	No of Present Students							
12	Average Marks of a Subject							
13								

1. Write down the formula to be inserted in B9 to find the highest marks for Maths.

   ....

2. Write down the formula to be inserted in C10 to find the lowest marks for Science.

   ....

3. Write down the formula to be inserted in D11 to find the number of present students for English.

   ....

4. Write down the formula to be inserted in E12 to find the average marks for History.

   ....

5. Write down the formula to be inserted in G2 to find the total marks for Saman Kumara.

   ....

6. Write down the formula to be inserted in H3 to find the average marks for K. Rajaratnam.

   ....

(3)

1. What is the purpose of using the following scratch program? (2 marks)

....

4

2. Mention the array name of the following scratch program and length of the array.   (4 marks)

Sprite2: Marks

1
2
3
4
5

length 5

....
....

3. Write three examples for quad core processors.   (3 Marks)

....
....
....

4. What is an array?   (2 marks)

....
....

5. What is a microcontroller? Give two examples for microcontroller-based kits.   (4 marks)

....
....
....
....
....

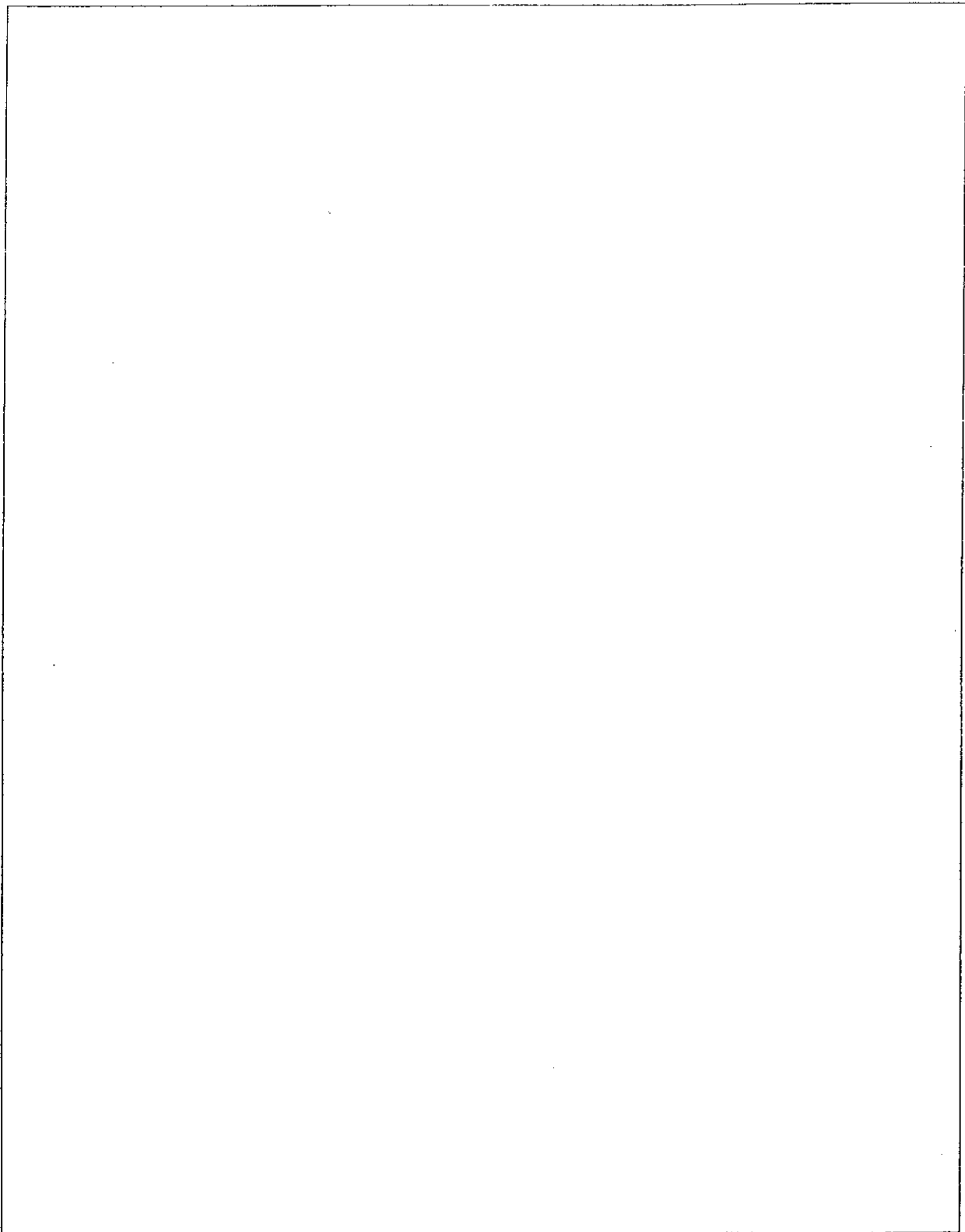6. Write down three examples for alignment and positioning tools in a spreadsheet.   (3 marks)

....
....
....

5

(4) Draw a flow chart to check whether an input number is even or odd.   (10 marks)