

Sirimavo Bandaranaike Vidyalaya
First Term Test – 2023

Grade**11****Information & Communication Technology****Time****3 hours**

- Answer all questions.
- In each of the questions 1 to 40 , pick one of the alternatives (i) , (ii) , (iii) , (iv) which is correct or most appropriate.

01. Which of the most valuable information of the given examples.

- The date of release of the O/L results
- Weather forecasting report a year ago
- Death rate of COVID -19 in the year 2020
- Number of teachers on the staff

- Consider the following statements

- Provide access to the NEMIS information system to get students the information
- Provide the map of Sri Lanka to travel thought out the country.
- Do registration new hotel business online.

02. Which of the above are related to the service of E-Government

- A and B only
- B and C only
- A and C only
- A , B, C all

03.A..... is the machine used in hospitals to check the function of the heart. In addition to this , this machine records the electrical impulses using both analogue and digital signals.

Which is the most suitable term which can be used to prescribe the **letter A**

- Cardiac Screen machine
- Electro encephalography
- Magnetic Resonance Imagine Machine
- Electrocardiogram Machine

- Mr pepera buys two packets of sugar , one packet of milk powder , 5 books and pens from the super center. He takes the items to the cache counter the barcode number is scanned. The cashier **scans the barcode sticker attached to each to the information system.** Information system **identifies the item details relevant to the scanned bar card number.** Then the system display the relevant details on the screen.

- Consider the character value mapping from the ASCII table given below

D-68

d-100

g-103

O-79

o-111

12. which of the following will be the ASCII representation of 'Dog' in binary ?

i. 1000100110111111001111

iii. 110010011011111100111

ii. 100010010011111100111

iv. 1100100100111111000111

13. which of the above corrects statements regarding number system ?

i. A and B only

iii. A and C only

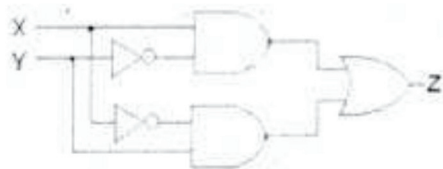
ii. B and C only

iv. A,B,C all

14. Which of the following is the largest ?

i. 85_{16} ii. 571_{10} iii. 101110_2 iv. 111011_2

- Consider the following logic circuit and answer question



15. Which of the following is an equivalent Boolean expression ?

i. $(X.Y) + (X.Y)$

iii. A And (B or C)

ii. $(X+Y) . (X+Y)$

iv. A Or (B and C)

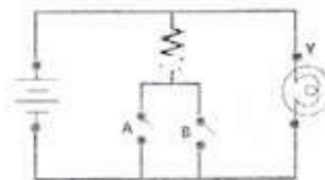
16. Which is the corresponding logic gate of the following electronic circuit ?

i. AND Gate

ii. NAND Gate

iii. NOT Gate

iv. OR Gate



17. A selection test paper consists of three questions A,B and C. Test takers are required to answer two questions. A is compulsory and the test takers have to select one from questions B and C. which is the following represent the selection of question by a candidate ?

i. OR (B OR C)

iii. A AND (B OR C)

ii. A AND (C AND B)

iv. A OR (B AND C)

18. Which of the following is/are direct function/s of an operating system ?

P. Managing user account

Q. Managing the memory of the computer

R. Grammar auto-correction

i. P only

iii. Q only

ii. P and Q only

iv. Q and C only

19. Which is the correct file system , used in Mobile devices and window operating system ?

- | | |
|------------------------|----------------------|
| i. FAT 16 and NTFS | iii. FAT 32 and ext4 |
| ii. Reiser FS and NTFS | iv. NTFS and FAT16 |

20. Select the incorrect statement regarding the operation system

- The calculator has real-time operating system
- GUI operating system uses four components , WIMP
- Android operating system is an example of a CLI
- Command Line Interface had "Prompt" where the command are keyed in using a keyboard

21. Which is the short key combination to the "find and replace" word in a documents.

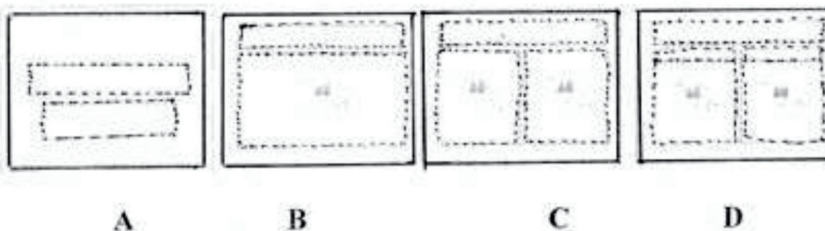
- | | |
|--------------|---------------|
| i. Ctrl + A | iii. Ctrl + H |
| ii. Ctrl + C | iv. Ctrl + X |

22. Which is the correct statement/s regarding the word document

- | | |
|--|-------------------|
| A. It is essential to add a header footer and page number | |
| B. Spelling and grammar error will be indicate automatically | |
| C. The number words count of the document will be displayed | |
| i. A and B only | iii. A and C only |
| ii. B and C only | iv. A,B,C all |

23. Consider the following statements related to the electronic presentation

- | | |
|--|-------------------|
| A. Ctrl +M is the key combination of inserting new slides in to presentation | |
| B. Slide sorter view use to change the order of the slide | |
| C. F5 and Esc are used to view the slide on the full screen | |
| i. A and B only | iii. A and C only |
| ii. B and C only | iv. A,B,C all |



- Consider the above picture related to the electronic presentation and answer the questions no 24 and 25.

24. What tool in the electronic presentation software can be change the style of the above slide

- | | |
|-------------------|------------------|
| i. Slide design | iii. Slide view |
| ii. Slide shorter | iv. Slide layout |

25. Which of the correct statement regarding the above picture.

- Picture A contains title only slide while picture B contains title and content slide
- Picture C contains the title and two content slides while picture D contains a comparison slide
- Picture A contains a title slide while picture D contains two slide
- Picture B contains the title and content slide while picture C contains the title and content slide

- Consider the following Excel sheet segment and answer the question no 26 , 27

26. The cell A4 contains the formula \$A2+A3. What will be the output if copy this formula to cell B4 ?

- 5
- 6
- 7
- 8

	A	B	C
1			
2	3	4	
3	2	3	
4	5		
5			

27. Which is the incorrect cell range of all the cells A2 , A3 , A4 , B2 , B3

- (A2:A4,B2:B3)
- (A2:B3,A4)
- (A2,B2,A3,B3,A4)
- (A2:B4)

28. What will be the equivalent output of $5+2*3^{26/3}$

- 5
- 9
- 18
- 12

- Consider will be following database table to answer the question no 29 to 33

Student Table

S_Name	Ad_No	Ad_date
Kavindu	1001	2018/05/22
Thinula	1002	2018/05/26
Hirusha	1003	2018/05/27

Marks Table

Index_No	Marks
3001	59
3005	78
3008	80

Student_Marks Table

Ad_No	Index_No
1001	3001
1002	3005
1003	3008

29. What is an example of a foreign key in database ?

- Index_No in marks Table
- Ad_No in students _ Marks Table
- Ad_No in students Table
- S_Name in Marks Table

30. Which of the following is the most suitable field as the primary key for the students table

- Ad_No
- Index_No
- S_Name
- Ad_date

31. What is the most suitable data type for the Marks in Marks_table

- Text
- Number
- Currency
- Boolean

32. How many marks have been taken by thinula and hirusha respectively ?

- | | |
|-------------|--------------|
| i. 78 , 80 | iii. 80 , 78 |
| ii. 59 , 78 | iv. 59 , 80 |

33. By mistake kavidu's mark has been entered wrongly. That mark should be updated as

89. Which table/s need to be updated when entering the kavidu's mark :

- Students_Table
- Mark_Table
- Student_table + Mark_Table
- Mark_Table + Students_Mark_Table

34. What will be the output of the following expression considering the operator precedence of the programming language ? $10*4+2*5-2$

- | | |
|--------|---------|
| i. 45 | iii. 52 |
| ii. 50 | iv. 48 |

• Consider the following logical expression

A. $(45>45) \text{ AND } (15>14)$ B. $(15<15) \text{ OR } (18<>15)$ C. $\text{NOT}(9+5) = (20 \text{ MOD } 11+5)$

35. Which of the following represent the correct outcome of the expression A,B and C respectively ?

- | | |
|--------------------------|---------------------------|
| i. True , True , True | iii. False , True , False |
| ii. False , True , False | iv. True , True , False |

36. What is the correct output of the following pascal code segment ?

```

Program name ;
Var x:integer ;
Begin
For x:=1 to 10 step 3
Writein ('*')
Reaging;
End.

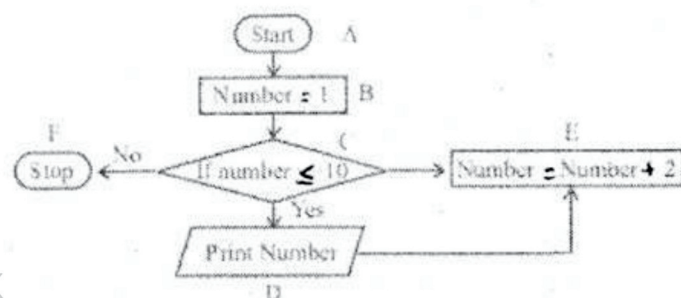
```

- | | | | |
|----------------|---------|-----------|-----------|
| i. ****
,,, | ii. *** | iii. **** | iv. ***** |
|----------------|---------|-----------|-----------|

• Consider the following algorithms.

37. What is the output of the above algorithm ?

- 1,2,3,4,5,6,7,8,9,10
- 1,2,3,4,5,6,7,8,9
- 1,3,5,7,9
- 10



38. What is the change to get the 11 as output ?

- i. Remove D in the place and keep in between C and E
- ii. Change E as number = = number +1
- iii. Change C as if number < 11
- iv. Change B as number = 2

- Consider the following array 'Num' and answer question no 39 to 40

150		200	Num[0]+20		50	Num [1]- Num [5]
-----	--	-----	-----------	--	----	---------------------

39. Num [1] = Num [3] what will be the output display in array Num [6]

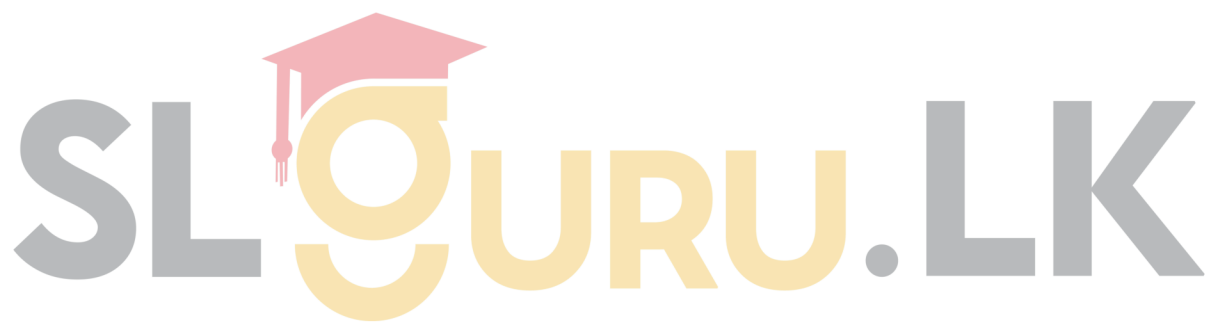
- i. 150
- ii. 170
- iii. 300
- iv. 320

40. Consider the following statement

- A. A variable in an identify which changes the values given to it when the program is being executed.
- B. Use of Nested IF when there are multiple conditions for a signal variable
- C. An array is used to save data items of the same type in memory using a single variable identifier name

- i. A and B only
- ii. B and C only
- iii. A and C only
- iv. A,B,C all

“A book is a gift you can open again and again.” – Garrison Keillor



Visit SLGURU.LK to download papers and notes.