

7. Consider the following four values with different bases.

110101_2 310_{10} DB_{16} 645_8

Which of the following is true?

- (1) $110101_2 < 645_8 < 310_{10} < DB_{16}$ (3) 110101_2 and 645_8 are equal.
 (2) 645_8 is the highest value. (4) All the values are equals.

8. Which of the following value/s is/are equivalent to $48A_{16}$?

A. 1162_{10} B. 010010001010_2 C. 2212_8

- (1) A and B only (3) B Only
 (2) A and C only (4) All A, B and C

9. Which of the following is the BCD equivalent to 654_{10} ?

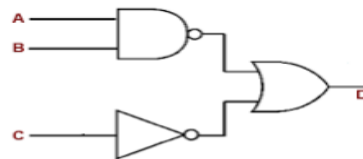
- (1) 011001000101 (3) 010001010110
 (2) 011001010100 (4) 010101100111

10. Which of the following is nearly equivalent to 2GB?

- (1) $2 \times 8 \times 10^6$ Bits (3) 2×10^6 MB
 (2) 2×10^9 Bytes (4) 2×10^9 KB

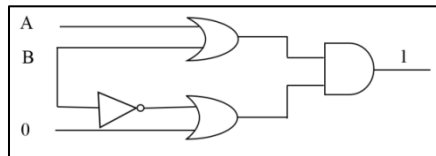
11. Which of the following is the output of the circuit?

- (1) $\overline{A \cdot B} + \overline{C}$
 (2) $\overline{A \cdot B} + C$
 (3) $\overline{A} + \overline{B} \cdot C$
 (4) $\overline{A + B} \cdot \overline{C}$



12. Which of the followings should be the inputs, for the output to be 1?

- (1) A = 1, B = 0 (2) A = 1, B = 1 (3) A = 0, B = 0 (4) A = 0, B = 1



13. Which of the following statement/s is/are true about system software?

- A. System software provides a user-friendly interface.
 B. System software manages files.
 C. System software manages memory.

Which of the above is/are true?

- (1) A and B (2) B and C (3) A and C. (4) All A B and C

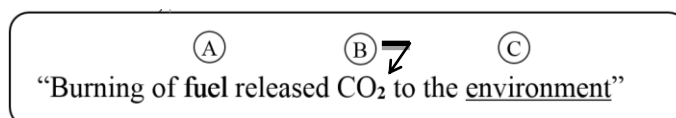
14. Which of the following is not a function of utility software in an operating system?

- (1) To compress high capacity files.
 (2) To identify bad sectors on a hard disk.
 (3) To increase lifetime of CMOS battery.
 (4) To analyze connection of computer network.

15. The first letter of a sentence in a word editing software is automatically changed to a capital letter. Which of the following facility enables the change?

- (1) Delete and Re-type (3) Auto correct
 (2) Find and Replace (4) Spelling and Grammar.

16. Which of the following contains the terms referred to the formatting labeled A, B, C in order?



- (1) Lowercase, Bold, Font face (3) Bold, Subscript, Underline
 (2) Italic, Superscript, Font face (4) Font Color, Subscript, Font size

17. Consider that the formula $=\$A1+\$B1$ is entered in cell C1. Which of the following formulas are displayed in cell E1 and C3 if formula of C1 copied to cell E1 and C3?

- (1) $=\$A1+\$B1, =\$A3+\$B3$
- (2) $=\$C1+\$E1, =\$A1+\$B1$
- (3) $=\$C1+\$D1, =\$A3+\$B3$
- (4) $=\$A3+\$B3, =\$A1+\$B1$

	A	B	C	D	E
1			$=\$A1+\$B1$		
2					
3					
4					
5					

18. Which of the following displays the aggregated value of the range A1:A4 in cell A5?

- (1) $=\text{MAX}(A1:A4)$
- (2) $=\text{SUM}(A1:A4)$
- (3) $=\text{RANK}(A1:A4)$
- (4) $=\text{AVERAGE}(A1:A4)$

	A	B	C	D
1	100	63		
2	125	51		
3	190	103		
4	202	92		
5				

19. Consider the following statements regarding electronic presentation.

- A. Spelling and language need to be accurate.
- B. It is necessary to communicate the presenters aims to Audience.
- C. Contents of the slide should be simple and readable.

- (1) A only (2) A and B only (3) B and C only (4) All A , B, and C

20. If you need to display your photo on a certain location on every slide, Where should be inserted the photo?

- (1) Custom Animation pane (3) Task Pane
- (2) Slide Master (4) Slide Pane

• Answer the questions 21 and 22, using the tables given below.

Date	Book_ID	S_ID
2017/02/24	B002	S003
2017/03/01	B001	S002
2017/03/05	B003	S001
2017/03/12	B001	S003

Book_ID	Book Name	Borrowed
B001	Manuthapaya	True
B002	Himagiriarana	False
B003	Gamperaliya	True

S_ID	Student Name
S001	Gimhani
S002	Kusal
S003	Vishwa

21. Which of the following fields are suitable as primary keys?

- (1) Book Table – Book ID and Borrowing Table - S_ID
- (2) Book Table – Book ID and Student Table - S_ID
- (3) Borrowing Table Book ID and Borrowing Table - S_ID
- (4) Student Table - S_ID and Borrowing Table - S_ID

22. Which of the followings are equivalent to number of fields and records in “Borrowing table”?

- (1) 2 and 2. (2) 3 and 3 (3) 2 and 3. (4) 3 and 4.

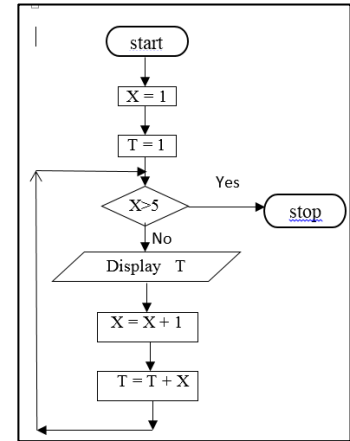
- Use the given flow chart to answer question 28 and 29.

28. Which of the followings are the outputs of flow chart?

- (1) 1 3 6 10
- (2) 1 2 3 4 5
- (3) 1 3 6 10 15
- (4) 1 3 6 10 15 21

29. Which of the following statement is true about control structures of the flow chart?

- (1) It contains only sequence control structure.
- (2) It contains only sequence and iteration control structures.
- (3) It contains only sequence and selection control structures.
- (4) It contains all sequence, selection and iteration control structures.



30. It has been planned to create a replica of a system and forwarded it to obtain feedback and criticism. Which of the following methodology of data collection is used?

- (1) Interviews
- (2) Questionnaire
- (3) Document research
- (4) Prototyping

31. Which of the following is **NOT** a task of system planning?

- (1) Identification of interfaces data bases structure.
- (2) Coding the system using a suitable language.
- (3) Identification of main hardware components and system.
- (4) Decide suitable hardware and software to execute the system.

32. Which of the following contains correct IP address?

- (1) 193.213.78.275
- (2) 0.0.0.0
- (3) 193.213.78.154
- (4) 193.213.78

33. Which of the following is **NOT** a service of Internet?

- (1) E-mail
- (2) World Wide Web
- (3) Hardware Control
- (4) Remote Access

34. Consider the following statements on cloud computing.

- A. It is a methodology of storing data in clouds.
 - B. It is a network of computers.
 - C. It is a method of manipulating data online ,being in any location.
- Which of the above statement/s is/are true?

- (1) A only
- (2) C only
- (3) A and B only
- (4) B and C only

35. Select the correct e-mail address.

- (1) Http://icc@edu.lk
- (2) Sunil275@nie.lk
- (3) www.nie.lk
- (4) xyz25@nie@gov.lk

36. Which of the following row/s contain/s the accurate software and its task combination?

	Software	Task
A.	GIMP	Used to edit photos.
B.	Victorian Giotto	Used in animation.
C.	Adobe Flash	Used to edit graphics.
D.	Audacity	Used to edit and create sounds.

- (1) B and D only
- (2) C and D only
- (3) B, C and D only
- (4) A, B and D only

37. ----- similar to a transparent sheets. As objects are collected on top of the other, the lower-most object is disappeared. Which of the following is suitable to fill in the blank in accordance with 2D graphic editing software?

- (1) Stage
- (2) Canvas
- (3) Layer
- (4) Filters

38. Consider the following HTML statements in creating a table.

```
<table border="1">
<tr><th>Time</th><td>8.00 -9.00</td></tr>
<tr><th>Monday</th><td>General Knowledge</td></tr>
</table>
```

Which of the following is the correct output?

(1)	<table border="1"><tr><td>Time</td><td>Monday</td></tr><tr><td>8.00 -9.00</td><td>General Knowledge</td></tr></table>	Time	Monday	8.00 -9.00	General Knowledge	(2)	<table border="1"><tr><td>Time</td><td>8.00 -9.00</td></tr><tr><td>Monday</td><td>General Knowledge</td></tr></table>	Time	8.00 -9.00	Monday	General Knowledge
Time	Monday										
8.00 -9.00	General Knowledge										
Time	8.00 -9.00										
Monday	General Knowledge										
(3)	<table border="1"><tr><td>Time</td><td>8.00 -9.00</td></tr><tr><td>Monday</td><td>General Knowledge</td></tr></table>	Time	8.00 -9.00	Monday	General Knowledge	(4)	<table border="1"><tr><td>Time</td><td>8.00 -9.00</td></tr><tr><td>Monday</td><td>General Knowledge</td></tr></table>	Time	8.00 -9.00	Monday	General Knowledge
Time	8.00 -9.00										
Monday	General Knowledge										
Time	8.00 -9.00										
Monday	General Knowledge										

39. Which of the following HTML tag is used to render the largest size heading?

- (1) H1 (2) H3 (3) H6 (4) H8

40. Consider the following statements on electronic waste.

- A. Mercury which is harmful to human body gets added to environment with discarded CFL bulbs.
- B. It is advantageous to use new electronic apparatus, and reducing the use of old working electronic apparatus.
- C. Handover un-repairable electronic items to a recycling institute is a safe method of e-waste management

Which of the above is/ are true?

- (1) A Only (2) B Only (3) A and C Only (4) All A,B,C