

<p style="font-size: small;">බස්නාහිර පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව - කොළඹ අධ්‍යාපන කලාපය Western Provincial Education Department - Colombo Educational Zone</p>	<p>බස්නාහිර පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව - කොළඹ අධ්‍යාපන කලාපය මෙම මාසික කல்විත් තිணைக்களම් - කොළඹ නගරයේ Western Provincial Education Department - Colombo Educational Zone</p>	<p style="font-size: small;">කොළඹ අධ්‍යාපන දෙපාර්තමේන්තුව - කොළඹ අධ්‍යාපන කලාපය Colombo Educational Zone - Western Provincial Education Department - Colombo Educational Zone</p>
<p>දෙවන වාර පරීක්ෂණය - 2017 இரண்டாம் தவணை பரீட்சை - 2017 Second Term Test - 2017</p>		
<p>11 වසර தரம் 11 Grade 11</p>	<p>තොරතුරු හා සන්නිවේදන තාක්ෂණය I පත්‍රය தகவல் தொடர்பாடலும் தொழினுட்பவியலும் - வினாத்தாள் I Information & Communication Technology Paper I</p>	<p>පැය එකයි ஒரு மணித்தியாலம் One Hours</p>

Note :-

- i. Answer all the questions.
- ii. In each of the questions 1 to 40 , pick one of the alternatives i, ii, iii, and iv which you consider as **correct or most appropriate**.

1. What was the effect when vacuum tube were replaced by transistors?
 - 1) Both processing power and electricity consumption were increased.
 - 2) While processing power was increased the size was decreased.
 - 3) While size was decreased the electricity consumption was increased
 - 4) Both electricity consumption and processing power were decreased

2. Which of following can be described as uses of ICT in education field?
 - 1) Surf internet to find an online business.
 - 2) Purchasing an empty DVD to burn a e-book.
 - 3) Pay using Credit card to buy a educational software
 - 4) Following an ICT course connecting with LMS.

3. Which is/are the correct about data and information
 - a. Timeliness and completeness are the two characteristics of information.
 - b. Individually, the data has no meaning.
 - c. The information depends on the data.

Which of the following is true?

 - 1) a and b 2) a and c 3) b and c 4) All of the above.

4. Which of the following pair of devices can be use to insert the free hand drawing to computer?

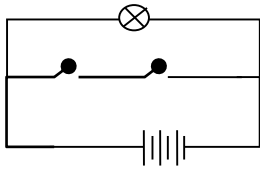
1) Keyboard, barcode reader	2) Digitizer, mouse
3) OMR, OCR	4) microphone, light pen

5. “VISA and Diplomatic information service” is a service by the government to,
 - 1) Government servants (G2E)
 - 2) Citizens(G2C)
 - 3) Business organizations(G2B)
 - 4) Other states (G2G)

6. The first programme which checks all the hardware and confirms that all are functioning properly, at the beginning of booting up process, is called?

1). POST	2) Bootstrap loader
3) CMOS	4) booting

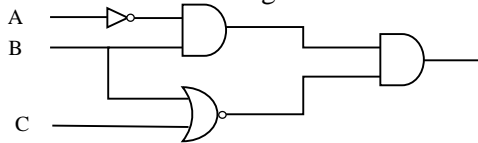
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7. "these port/s connect the monitor, or multimedia projector to the computer system".
- a) VGA b) DVI c) HDMI
- Which of above ports are agreed with the statement?
- 1) a and b 2) a and c 3) b and c 4) All of the above.
8. Following are three statements about the hardware. Select the correct statement /s from them.
- A. The multimedia projector and the web camera are examples for the input devices.
B. Resolution is an attribute that use to measure the quality of a screen .
C. Impact printer produces low quality printouts.
- 1) A and B only. 2) A and C only.
3) B and C only. 4) All A, B and C
9. Consider following statements about hardware.
- A. Dot matrix printers produce low quality printouts.
B. Need of less physical space is a advantage of LCD monitors
C. CCTV and web Digital Camera are examples of image and video capturing device.
- which of the above is/are correct.
- 1) A only. 2) A and B only.
3) B and C only. 4) All A, B and C.
10. Which one is the device that use the LASER beam to read and write data
- 1) Hard disk 2) flash drive
3) DVD ROM 4) Floppy disk
11. "It holds data and program instructions to be processing temporary". Which of the following device do the task describe in this statement?
- 1) RAM
2) ROM
3) Hard disk
4) Magnetic tape
12. Select the suitable term for the network spread over the country which connecting all the branches of certain company
- 1) LAN 2) WLAN 3) WAN 4) None of the above
13. "This topology has the characteristics of two topologies. One of the advantages of this is the ability to control each network individually". Select the network topology described above
1. Ring 2. Star 3. Bus 4. Tree
14. Choose the suitable Logic gate to represent the following analogue circuit
- 
- 1) AND 2) OR
3) NAND 4) NOR
15. Computers use binary codes because.....
- 1) binary code is more reliable 2) binary code is much faster
3) binary code takes up less space 4) electronic circuits can only be 'on' or 'off'
16. What is the base value of the number system that consist of the digit set {0,1,2,3}?
- 1) 2 2) 4 3) 8 4) 5

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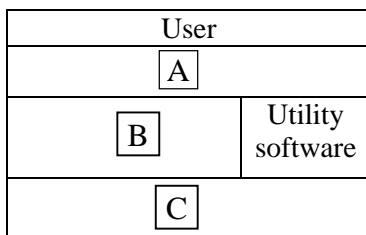
17. What is the correct output of 1 AND 0 OR 1 in a certain logic circuit?
 1) 1 2) 0 3) 3 4) 2
18. What is the equivalent binary number of Decimal 240 ?
 1) 11101011₂ 2) 11100001₂
 3) 11111101₂ 4) 11110000₂
19. How many Bytes are in 1/2 MB
 1) 2¹⁶ Bytes 2) 2⁸ Bytes 3) 2¹⁹ Bytes 4) 2¹⁰ Byte
20. Which of following value is/are equal to the Hexadecimal FF₁₆?
 A) 11111111₂ B) 255₁₀ C) 377₈
 1) A only. 2) A and B only.
 3) A and C only. 4) All A, B and C

21. Which of the following is the Boolean expression produced by the following circuit?



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

22. The following picture shows the relationship of the user with the computer system. The letter A,B and C Refers to



- (1) Operating System, Application software, Hardware
 (2) Hard ware, System Software, Operating System
 (3) Firmware, Hardware, Utility software
 (4) Application Software, Operating System, Hardware

23. Which of following is/are function/functions of an operating system.
 A) process Management B) Memory Management
 C) Device Management D) Calculation management
 1) A only. 2) A and B only.
 3) A,B and C only. 4) All A, B, C and D
24. Which of the following statement /s is/are true about Application software?
 a) It can't be executed without installing system software.
 b) It is responsible for integrating and managing the individual hardware components.
 c) It creates an interface for users to interact with hardware to fulfil their requirements.
 1) a and b 2) a and c 3) b and c 4) a,b,c all
25. To facilitate retrieving and storing information from or to Any device, anywhere and at any time is the concept of
 1) global village.
 2) internet.
 3) cloud computing.
 4) neural computing

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26. Rearrange of files stored in disks to increase the available free space is known as
 1) Defragmentation 2) programming 3) Formatting 4) Burning
27. To set the page margin, the facility you need to select is
 1) Page border 2) Page Layout 3) Page setup 4) Header and Footer
28. Select the incorrect statement.
 1) Via Mail Marge of word processing software, we can create same type of greeting cards to many recipients.
 2) The Maths and English marks of 3 students can be compared by pie chart at spread sheet software.
 3) It is not suitable to insert more than one animation in to one slide of presentation software.
 4) By using Quaries of DBMS software we can filter the students according to the marks
29. You will use ____ when viewing a presentation
 1) scroll bars 2. slide show view 3. New slide 4. voice commands
30. Select the answer with the suitable data type respectively to fields given in the below table.

Field	Values
Member_ID	S001
Is_Paid	<input checked="" type="checkbox"/>
Amount	Rs.5500.00
Number of Items	5

- 1) Number ,Boolean, currency, Number
 2) text ,Boolean, currency, Number
 3) Number ,Boolean, currency, text
 4) text ,Number, currency, Number

31. A student has inserted the following mathematic formula in a pascal program $8+5 \text{ mod } 4*4-2 \text{ DIV } 2$
 The out put will be?
 1) 13 2) 11 3) 8 4) 1
32. There would be the control structure to use as nested, when offering a grade A or B or C or S or W respectively if obtained mark ≥ 75 or mark ≥ 65 or mark ≥ 50 or mark ≥ 35 or mark < 35 for a subject
 1) Selection 2) Repetition 3) Sequential 4) for-loop
33. Which is the valid Pascal variable?
 1) My ame 2) program 3) 5_S 4) G11
34. which of the following is/are the output(s) of the pseudo.

```

Begin
    a = 1
    b = 5

    While a =< b
        a = a + 1
    End while
    Display a
End
    
```

- 1) 6 2)1,2,3,4,5 3) 2,3,4,5 4) 1,5

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35. Choose the output of the following pseudo code.

```
Begin
  a = 5
  c = 2
  Repeat
    c = c + 1
    a = a + c
  Until (c > 3)
  Print a
End
```

- 1) 8 2) 17 3) 12 4) 4

36. Which one is not a phase of the System Development Life Cycle (SDLC) ?

- | | |
|----------------------------------|-----------------------|
| 1. Identification of requirement | 2. System management |
| 3. Testing and debugging | 4. System maintenance |

37. Which SDLC model shows Linear development with the life cycle?

- | | |
|----------------------|----------------------------------|
| 1. Waterfall model | 2. Interactive incremental model |
| 3. Prototyping model | 4. Spiral model |

38. Which of the statement is true about the all types of email recipients (to, CC, BCC)

- (1) All will understand to whom the copies have been sent.
- (2) The other receivers will not be able to know the recipient BBC
- (3) The receivers will know to whom the copies are not sent
- (4) The receiver will not be able to forward it to the other parties

39. "Different web pages in a website are connected together by using" Which of the following phrases best fit to fill in the given blank of the above statement?

- | | |
|--------------------------|-------------------|
| 1 web browsers | 2 hyperlinks |
| 3 File Transfer Protocol | 4 electronic mail |

40. Which one of following cannot be used as replacement for notepad when writing HTML codes

1. CoffeeCup 2. Seamonkey Composer 3. Eclipse 4. Internet explorer