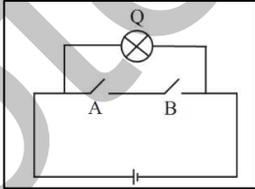
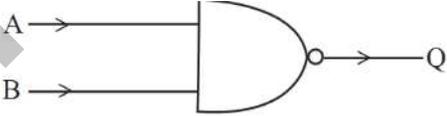




7. Which is not include classification of the computer according to the size?  
(1) Super Computer (3) Laptop Computer  
(2) Main frame computer (4) Mini Computer
8. Which is example for Analog Computer?  
(1) ECG Machine (3) Road lamps with sensor  
(2) Speedo meters (4) Metrological machine
9. Which is example for pointing device?  
(1) Joystick (3) Digital Camera  
(2) Keyboard (4) Scanner
10. What is the main function of Magnetic ink character reader?  
(1) Evaluate MCQ Answers. (3) Convert the hardcopy into softcopy.  
(2) Verify cheque in bank. (4) Help to store the data.
11. Which is not suitable when classified the computer output devices?  
(1) Softcopy (3) Light device  
(2) Hard copy (4) Audio device
12. Which technology is used in bus ticket provide by conductor in bus?  
(1) Impact printer (3) Thermal Printer  
(2) Non-impact printer (4) Plotter
13. Which statement is not correct about Random Access Memory?  
(1) When electricity failure all data will be lost.  
(2) It is volatile memory  
(3) It is speed is higher than Register memory  
(4) It is capacity may be larger than cache memory
14. Which part has store the data in electromagnetic hard disk?  
(1) Platter (3) Actuator arm  
(2) Spindle (4) Power connector
15. Which statement is not correct about unguided media?  
(1) Infrared is unguided media.  
(2) Not necessary a physical media to transfer the data.  
(3) Infrared is used to transfer the data in long distance.  
(4) Satellite communication is used to internet communication.
16. Which is correctly explain the function of Firewall  
(1) It is prevent the virus affect in a network.  
(2) Transfer the data over the network to all computer  
(3) Transfer the data over the network to specific computer  
(4) It is a device to secure the computer network.

17. What is the MSB and LSB values of 011.1011?
- (1) 0, 1 (3) 0, 1  
 (2) 1, 1 (4) 0, 0
18. What is the equivalent binary value of decimal value of 11?
- (1)  $1011_2$  (3)  $111_2$   
 (2)  $10111_2$  (4)  $11_2$
19. Which is highest equivalent binary value of octal number system?
- (1) 00001101 (3) 00000111  
 (2) 00000011 (4) 00001111
20. Which is equal value of Nibble?
- (1) 8 bits (3) 2 bits  
 (2) 4 bits (4) 1 bit
21. Which is lowest value in the given answer?
- (1) 512 Kilo Bytes (3) 1200 Bits  
 (2) 700 Bytes (4) 100 Giga Bytes
22. If Character "B" is denote as  $1000010_2$  in ASCII coding system then what is the value of "D"?
- (1) 1000101 (3) 1011100  
 (2) 1000100 (4) 1110100
23. Which is correct logic gate denote the given electronic circuit.
- (1) AND  
 (2) OR  
 (3) NOR  
 (4) NAND
- 
24. Which is correct Boolean expression describe the given logic gate
- (1)  $Q=(A+B)'$   
 (2)  $Q=A'.B'$   
 (3)  $Q=A+.B'$   
 (4)  $Q=(A.B)'$
- 
25. Which is correct function of computer programming translator?
- (1) Translate high level programming language into machine language as 0 and 1.  
 (2) Translate high level computer programming language into interpreter.  
 (3) Translate the assembly language into high level programming language  
 (4) Convert the decimal number into binary number
26. Which operating system is suitable mobile devices?
- (1) Ubuntu linux (3) DOS  
 (2) Unix (4) Android os

27. Which type of Operating system used in ATM machine?  
(1) Single user (3) Multi-tasking  
(2) Multi user (4) Real time
28. Which is not correct statement about "Process"?  
(1) It is part of working program in computer.  
(2) CPU allocated the time for process.  
(3) It is permanently stored.  
(4) A program has more the one process
29. Which operating system used "ext4" file system?  
(1) Ms-Windows 7 (3) Android Kitkat  
(2) Ubuntu Linux (4) Mac OS
30. What is the purpose of Recycle bin?  
(1) Temporarily stored the deleted files.  
(2) Permanently stored the deleted files.  
(3) Remove the deleted files permanently  
(4) It has all installed software in your pc.
31. What is the function of "Ctrl + V"?  
(1) Copy (3) Paste  
(2) Cut (4) selection
32. Consider the following statements about word processing  
A. Able to change the letter size and color.  
B. Able to draw drawing and shapes.  
C. Able to modify the Digital video and audio files.
- Whis is/ are is correct(s) in the above statement(s)?  
(1) A only (3) A, B and C  
(2) A and B only (4) C
33. Conside the following statements about word processing software?  
A. Auto text facilities is used to insert the text easily.  
B. Table facilities available.  
C. Hyperlink facilities available.
- Whis is/ are is correct(s) in the above statement(s)?  
(1) A only (3) A, C  
(2) B only (4) A, B, C
34. Which no system used only 0 to 9?  
(1) Binary (3) Hexadecimal  
(2) Decimal (4) Octal

35. Binary Coded Decimal (BCD) is represent each decimal number in 4 bits system. Hence what is the equivalent value of decimal number of 27 in BCD?
- (1) 00011100 (3) 00100111  
(2) 00101000 (4) 11100000
36. In computer network which computer is called as service provider computer?
- (1) Laptop  
(2) Tablet pc.  
(3) சேவையகக் கணினி (Server Computer)  
(4) வாடிக்கையாளர் கணினி(Client Computer)
37. What is the function of Ctrl+K in word processing software?
- (1) Find (3) Spell check  
(2) Replace (4) hyper link
38. Which device is/are working as input and output device?
- A) Touch pad B) Digital camera C) Touch screen
- (1) A,C (3) B  
(2) A, B (4) C
39. Which is wrong statement about computer?
- (1) It is an electronic device.  
(2) It is efficiency  
(3) It processing the data without human instruction.  
(4) It is versatility.
40. In the modern operation system we can able to type in Tamil, English, Sinhala languages and also each letters of this languages has unquily identify. Which computer coding system provide this facilities?
- (1) Unicode  
(2) EBCDIC  
(3) ASCII  
(4) Hexa Decimal

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**Information and Communication Technology**

**Part-II**

- Answer five(05) questions only, selecting the first question and four others.
- First question carries 20 marks and each of the other questions carries 10 marks.

01)

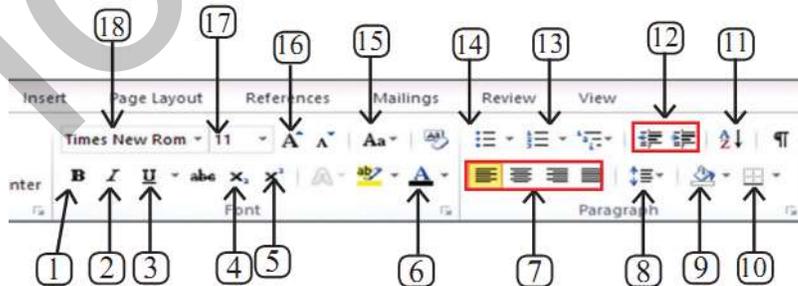
1. Identify the follow details are data or information.(2 marks)
  - a. Name
  - b. 4+2=6
2. Write any two quality of information? (2 marks)
3. Which logic gate opposite out of given input? (1marks)
4. What is the main function of router? (2 marks)
5. What are the three types of main memory? (3 marks)
6. Write any two benifits get by mannagement by using Learning management system? (2 marks)
7. Difference between hard copy and softcopy? (2 marks)
8. What is the equivalent bits of 1 KB?(2 marks)
9. What are the main 4 components of GUI interface? (2 marks)
10. Write any 2 concepts to create a document with attraction? (2 marks)

02)

1. Your teacher instruct to you to create a document using word processing. You need to format the document from column 1 to column 2. You need to write the tools Label Id which are want to use. (Note: if you write more additional tools no marks provide)

(Write A, B, C D in your answer sheet and write the tools number suitable from 1 to 18)

No	Column 1	Column 2
A	Computer	<u>Computer</u>
B	CO <sub>2</sub>	CO <sub>2</sub>
C	My Document	<i>My Document</i>
D	Name Data of Birth City	<ul style="list-style-type: none"> <li>➤ Name</li> <li>➤ Data of Birth</li> <li>➤ City</li> </ul>



(6 marks)

2. Write the name of formats denote in label A, B, C, D.

(4 marks)

**A** Video provides a powerful way to help you prove your point. When you click Online Video, you can paste in the embed code for the video you want to add. You can also type a keyword to search online for the video that best fits your document.

**B** To make your document look professionally produced, Word provides header, footer, cover page, and text box designs that complement each other. For example, you can add a matching cover page, header, and sidebar. Click Insert and then choose the elements you want from the different galleries.

**C** Themes and styles also help keep your document coordinated. When you click Design and choose a new Theme, the pictures, charts, and SmartArt graphics change to match your new theme. When you apply styles, your headings change to match the new theme.

Save time in Word with new buttons that show up where you need them. To change the way a picture fits in your document, click it and a button for layout options appears next to it. When you work on a table, click where you want to add a row or a column, and then click the plus sign.

**D** Reading is easier, too, in the new Reading view. You can collapse parts of the document and focus on the text you want. If you need to stop reading before you reach the end, Word remembers where you left off - even on another device.

03) A safety logger alarm (A) the following situation.

- When Door(D) open without enter the secret number(P).
- When Door(D) open without enter the Key(K)
- Key(K) inserted but secret number(P) not entered.

- If alarmed valued is 1 otherwise 0.
- If Key inserted 0 otherwise 0.
- If secrete number entered 1 otherwise 0.

Answer the following questions using above statements.

(Note: if answer of question no 1 is not correct question 2 and 3 cannot obtain any marks)

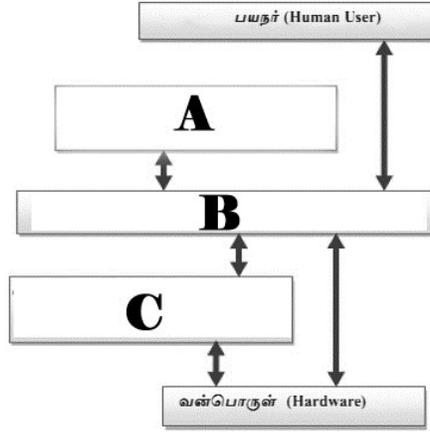
- Write the Boolean expression?(2 marks)
- Draw the logical expression of Boolean expression of question no 1? (3 marks)
- Write the truth table of Boolean expression of question number 1? (5 marks)

04)

- What are the data transfer mode? Explain with suitable example (3 marks)
- Write any three advantages of computer networks (2 marks)
- Write any 2 drawbacks when you design a network in mesh topology? (2 marks)
- Write three example for optical storage devices? (3 marks)

05)

1. The following diagram describes the relationship between user and hardware. Write the labels A, B, C and answer in your answer sheet.



(6 marks)

2. Briefly describe the following task in operating system.

- Device management
- Folder management

(4 marks)

06)

1. Write task of the following shortcut keys in word processing software? (5 Marks)

- CTRL + N
- CTRL + A
- CTRL + End
- CTRL + H
- CTRL + C

2. Write the usage of Thesaurus in word processing software.(2 Marks)

3. Write any three utilities software's name(3 marks)

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