niakdysr m<d;awOHdmk fomd4;fika;=j - fld<U
wOHdmk1,dmh

மேல் மாகாணக் கல்வித் திணைக்களம் - கொழும்புகல்விவலயம்

| 11 fY%aKsh தரம் 11 Grade 11 | தொரතුරු හා සන්නිවේදන තාක්ෂණය I පත්‍රය தகவல் தொடர்பாடலும் தொழினுட்பவியலும்வினாத்தாள்-1 Information & Communication TechnologyPaper I | mehtlhs ஒருமணித்தியாலம One Hour |

Note: Answer **all** the questions.

In each of the questions **1** to **40**, pick one of the alternatives (1),(2),(3),(4) which you consider is **correct** or **most appropriate**.

(01) The world first electronic digital computer was "ENIAC" It was based on

    I.   Vacuum tube

    II.   Transistors

    III.   Integrated circuits (IC)

    IV.   Micro chips

(02) Kanthi goes to the "silva super market" and buys a packet of Highland milk powder.The underlined words represent.

    I.   Information and data

    II.   Data and information

    III.   All data

    IV.   All information

(03) During process of evolution in computer generations some features of the computer were also changed. They were,

    a) Physical Size

    b) Power Consumption

    c) Heat Generating

The features that declined with the generation are

    I.   a,band d   II.   b,cand d

    III.   a,band c   Iv.   c and d

(04) Select the correct descending order, according to storage?

    I.   Hard Disk, DVD, Flash drive, CD

    II.   Hard Disk, Flash drive, CD, DVD

    III.   DVD,CD, Floppy, ZIP Disk

    IV.   DVD, Jazz Disk, CD, Floppy

(05) Parts of a CPU in a personal computer are _____

    I.   Memory, control unit and storage

    II.   Control unit, Arithmatic and logic unit and ROM

    III.   Control unit, Arithmatic and logic unit, memory registers

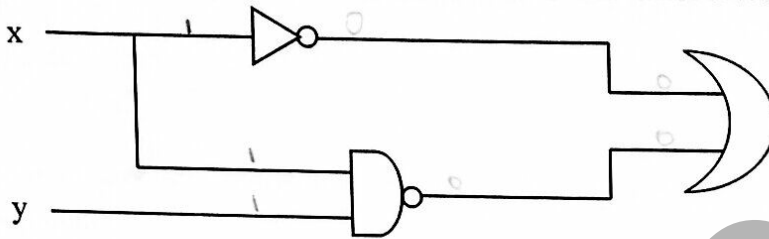   IV.   Arithmatic and logic unit, control unit, cache memory

(06) ___(A)_____can be used to connect the modem and __(B)_____ can be used to connect the scanner. To connect an additional circuit on the motherboard we use_____(C)___ Which of the following terms are select the answer appropriate for (A),(B) and (C) respectively?

    I.   Modem port, USB port, Important slots
    II.   USB port, serial port, Network port
    III.   Modem port, serial port, Expansion slot
    IV.   Serial port, parallel port, Expansion slot .

(07) Main types of computer classifications are given below
    a. General purposes and special purpose
    b. Digital , Analog and Hybrid
    c. Personal , Laptop , palmtop
    d. Super , mainframe , Mini and Micro

Choose the relevant classification which cannot be put in to all computers

    I.a   II.b   III.c   IV.d

(08) A type of "ROM" is _____
    I.   Programmable read on the memory
    II.   Electrical programmable read only memory
    III.   Erasable Electrical read only memory
    IV.   Erasable programmable read only memory

(09) Choose the correct network for intranet

    I.Bus   II.Star   III.Ring   IV. All of the above

(10) Select the correct statement regarding "Network topology"
    I.   The main disadvantage of the tree topology is, connecting the entire computer in a one main computer.
    II.   In a bus network, if one computer stops the whole network will be collapsed.
    III.   In a star network all the computer connect a main wire.
    IV.   Ring network, uses only a lesser amount of wire.

(11) An actively Which Can't be done in the number System.
    I.   Ability to arrange values in ascending order
    II.   Ability to arrange values in descending order
    III.   Ability to represent the quality of values
    IV.   Ability to compare values

(12) Saman has introduced a number system with 0,1,2,3,4 and 5 .what is the correct base value of this number system.

    I. 0   II. 5   III. 6   IV. None of the above

(13) If $P = 1101_2$ and $Q = 11_{10}$ the $P - Q$ = _____

    I.2_{10} II.10_2 III.2_8 IV.All of the above

(14) The hexadecimal equivalent of 137_8 is _____

    I. 515_{16} II.$5F_{16}$ III.$F5_{16}$ IV. $15F_{16}$

(15) A character unable to represent the BCD coding system is _____

    I.1010   II. 1001   III.1000   IV.0110

(16) The Following is a truth table of a certain logic gate that has 2 inputs. the logic gate matches with the truth table is _____
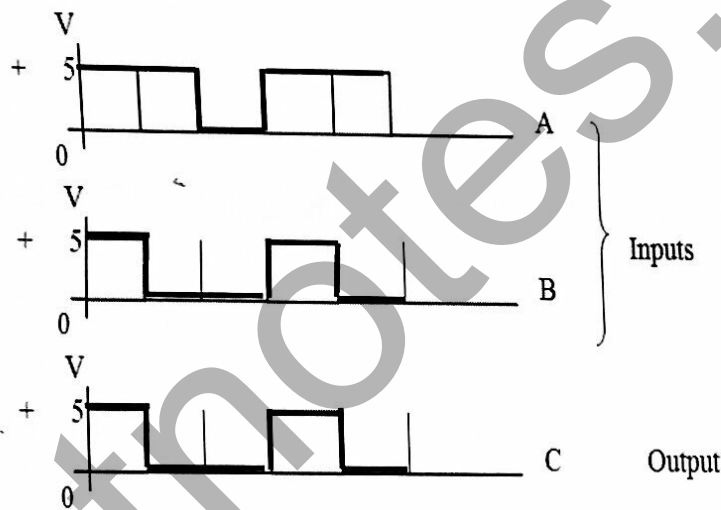
    I. NAND   II.NOR

    III.XOR   IV.XNOR

A	B	(Output)
0	0	0
0	1	1
1	0	1
1	1	0

(17) If the output of the logic circuit is O, what should be the values of X and Y respectively?

   I. O and 1   II.1 and O   III.1 and 1   IV.O and O

(18)

The above output is shown by

    I. $\overline{A.B}$

    II. $\overline{B+A}$

    III. A+B

    IV. AB

Answer the questions no 19,20, and 21 using the electronic spread sheet given below.

	A	B	C	D	E
1	Item	Quantity	unit price	price	
2	Books	500	Rs 40.00		
3	Pencil	450	Rs 10.00		
4	Pens	220	Rs 12.00		
5	Rulers	340	Rs 8.00		

(19)   Write the required formula in cell D2 without using functions to calculate the total cost of the books

       I.   B2 * C2
      II.   B2 * Rs. 40.00
     III. = B2 * C2
     IV. = B2 X C2

(20)   When we copy the formula in D2 to D3 it will be _____

       I.   B3*C3
      II.   B3*RS. 10.00
     III. =B3*C3
     IV. =B3×C3

(21)   Whenever we buy books more than 4000 we get a discount of 15% .The formula to find the discount in E2 is..............

       I. =Discount (D2*15%)
      II. = If (D2>=4000,D2*15%)
     III. =If(D2>4000,15%)
     IV. =If (D2>4000,D2*15%)

(22) A feature which cannot be seen in a system is....

       I. A System consists one subsystem.
      II. System has a boundary.
     III. A system creates for one function or more function.
     IV. A system consists of various parts.

(23) The first and last steps in SDLC are...

       I. System maintenance, Problem definition
      II. Problem definition, System implementation
     III. Problem definition, System maintenance
     IV. Problem definition, System modify

(24) A system that gathers information and keeping records about day to day business transactions is _____

       I. Decision support system
      II. Management information system
     III. Expert system
     IV. Transaction processing system

(25) A task that can't be done by a system analysist is ....

       I. Calling interviews for management of organization.
      II. Having an idea of present system.
     III. Going to the production section and observe it.
     IV. Planning how to activate the new system.

26) Some organizations change from manual system to computer based information system. Select the answer which cannot be taken as an aim of this change.
    I.   Use of new technological devices
    II.   Increase the effectiveness
    III.   Increase the labour force
    IV.   Minimize the paper work

(27) Select the answer which does not use to convert programming language in to machine language of second and third generation computer languages

    I.Interpriter   II.Compiler   III.Assembler   IV.Translator

(28) An example for the 4th generation programming language is

    I. Java   II.LISP   III.COBOL   IV.C++

(29) Can't be considered as a variable name of VB

    I.Value1   II.Value_1
    III.1Value   IV.value1

(30) The answer of "15\2 mod 5+4 ^3" is......

    I. 66   II.66.5   III.3   IV .67

(31) Select the answers for the calculation 6/2+5 <= 5*3-2 and 2^3+2 ◆ 4*3 from the computer programming language respectively.

    I.   False,False   II.   False,True
    III.   True,True   IV.   True,False

(32) 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
```

    I.8   II.17   III.12   IV.4

(33) Select the incorrect statement.

    I. Via Mail Marge of MS word, we can create same type of greeting cards to many recipients.
    II. The Maths and English marks of 3 students can be compared by pie chart at MS Excel.
    III. Lot of animations can be inserting to one image of MS Power Point.
    IV. By using Quaries of MS Access we can filter the students according to the marks.

(34) While working with the spread sheet software using (Shift + Tab) and (Ctrl+End) shortcut keys we can.

    I.   Go to the next cell, Go to the last cell of the sheet.
    II.   Go to the down row, Go to the last cell of the row.
    III.   Go to the previous cell, Go to the last cell of the column.
    IV.   Go to the previous cell, Go to the last cell of the sheet.

(35) Which is not a database management system (DBMS) software?

    I. My SQL   II.FoxPro   III.Oracle   IV. FireFox

(36) What is the common name we use in top of the column of Database?

    I.   Date
    II.   Record name
    III.   Field name
    IV.   Data type

(37) Choose an operating system which is not a Graphical User Interface (GUI).

    I.   Windows Vista
    II.   Ubuntu
    III.   MS DOS
    IV.   Windows XP

(38) In word processing software [icon] icon indicates.

    I.   Left Align
    II.   Page center
    III.   Justify
    IV.   Right Align

39) Which is not a function of Internet browser?

    I.   A software use to find information of internet.
    II.   A software use to create a web site
    III.   A software use to show the web page.
    IV.   A software use to find the network address.

(40) Select the instant where the government is unable benefit by issuing a digital identity card.

    I.   Ability to engage efficiently in administrative and legal affairs.
    II.   Ability to insert larger number of facts.
    III.   Necessity of technical knowledge to inquire the facts.
    IV.   Ability to get personal information whenever the government needs them.

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