

XXX MATRIC HIGHER SECONDARY SCHOOL, ERODEPRE-PUBLIC EXAMINATION

Class: XI

COMPUTER SCIENCE

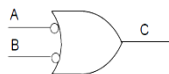
Marks: 70

Time: 2:30 Hrs.

Date: 10-04-2018

I. Choose the best answer**15X1=15**

1. Two's complement of 25 is _____
- a) 101011 b) 10001 c) 11001 d) 11111
2. $A(B+C)=?$
- a) $AB+A+C$ b) $AB+AC$ c) $AB+A*C$ d) $AB+BC$
3. The below the Circuit represents _____ gate.



- a) Bubbled OR Gate b) NOR c) Bubbled AND Gate d) XOR

4. The clipbook has contains.....pages.
- a) 127 b) 128 c) 121 d) 255
5. Which of the following is the non-case sensitive language?
- a) C b) C++ c) HTML d) JAVA
6. _____ reverse the most reactions.
- a) Ctrl + Y b) Ctrl + Z c) Alt+F4 d) F2
7. Which attribute refers to the spacing within cells?
- a) Cell padding b) Cell Spacing c) Method d) Action
8. The operating system is based on the concept of time sharing method.
- a) Multi user b) Single user c) Both a & b d) None
9. The _____ introduced the concept of _____ but Microsoft popularised the Windows concept.
- a) Windows, Apple b) Apple, Windows
- c) Sun, Windows d) Apple, Dos

10. Windows XP allows you to create _____ shortcuts.
- a) Menu b) Desktop c) keyboard d) Both b & C
11. The graphical interface for linux is the _____.
- a) KDE b) GNOME c) a & b d) None
12. Keywords cannot be used as _____.
- a) Variables b) Constants c) a & b d) None
13. _____ starts help to control complex conditional and branching operations.
- a) if b) if...else c) Switch d) All of these
14. Which of the following is the intermediary language?
- a) C, BASIC b) FORTRAN c) Flow chart d) Pseudo Code
15. A _____ circuit can be constructed using either two NOR gates or two NAND gates.
- a) Flip-Flop b) Circuit c) Logic gate d) None

PART-B**II. Answer Any 6 of the following question.****6X2=12****Question No. 19 is Compulsory**

16. What are the components of a digital computer?
17. Define. Conditional Operator.
18. Explain the function of man.
- 19. Define Product Term**
20. Write short note on Front Page Software.
21. Write the rules for identifiers.
22. Write about Switch Statement with syntax.
23. What is control panel?
24. What is TCP?

PART-C**III. Answer Any 6 of the following question.****6X3=18****Question No. 27 is Compulsory**

25. How to log off and shut down the computer?
26. What are the uses of break and continue statement?
27. Write for statement with an example.
28. Write the difference between auto and static storage classes.
29. What are the transmission modes?
30. What is desktop? What are the things in the desktop?
31. Write the essentials of the stored program concept.
32. Write a short note on elements of HTML.
33. Explain ls command with options.

PART-D**IV. Answer the following questions in detail.****5X5=25**

34. a). Write the different characteristics of Impact Printers & Non- Impact Printers

Or

- b) Explain Distributive Law

35. a) Explain the working principle of CPU with an example.

Or

- b) Define Demorgan's Theorem.

36. a) What are the popular uses of web?

Or

- b) Explain the process of memory management.

37. a) What are the main features of Operating systems?

Or

- b) Write down uses of Navigation buttons on tool bar in the Internet Explorer?

38. a) Explain while and do...while loop with syntax & Example.

Or

- b) Write the output of the following program.

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int i=1;
    clrscr();
    while(i<=10)
    {
        printf("%d",i);
        i=i+2;
    }
    getch();
}
```

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I. Choose the best answer**15X1=15**

- Components used in first generation computer
 - Integrated Circuit
 - Artificial Intelligence
 - Vacuum Tube
 - Microprocessor
- Fastest Memory=?
 - Cache
 - Registers
 - RAM
 - Secondary Memory
- The Value of A.A is _____
 - 0
 - 1
 - A
 - A'
- Inkjet Printer is a _____
 - Impact Printer
 - Character Printer
 - Non-Impact Printer
 - Serial Printer
- Secondary Memory is a _____
 - Non-Volatile Memory
 - Volatile Memory
 - Internal Memory
 - Main Memory
- If logical circuit outputs are based on the inputs presented at that time, then it is called.....
 - Sequential Circuit
 - Flip-flop
 - Combinational Circuit
 - NAND Gate
- _____ is an example of sequential Circuit.
 - Combination Circuit
 - Flip-flop
 - Half Adder
 - Full Adder
- A _____ gives information about an entity.
 - Record
 - File
 - Data
 - Information
- The _____ command shows the content of a big page by page.
 - more
 - cat
 - cp
 - man

- _____ is launch pad for most of the application.
 - Start Menu
 - Edit Menu
 - File Menu
 - Help Menu
- _____ is one of the fundamental control structures.
 - Sequencing
 - Branching
 - Iteration
 - All of these
- The Linux command _____ is used to copy the standard output to a file.
 - tee
 - echo
 - man
 - cat
- Which of the following is the logical operator?
 - ++
 -
 - = =
 - ||
- Find the value of y.


```
x=10;
do {
y=x+2;
x--;
} while(x>=0)
```

 - 1
 - 0
 - 1
 - 2
- A function declaration may be called as.....
 - Function prototype
 - Function Model
 - a & b
 - None

PART-B**II. Answer Any 6 of the following question.****6X2=12****Question No. 19 is Compulsory**

- Convert 84_{10} to binary using sum of power of 2 method.
- State the basic units of the CPU and give function of each of the unit.
- What is meant by Stored Program? Who developed?
- 19. Write truth table for XOR gate with Boolean Expression.**
- What is Overflow method?
- What is Min Term and Max Term?
- What is Multisim?
- What are registers?
- Who is Super User?

PART-C**III. Answer Any 6 of the following question.****6X3=18****Question No. 27 is Compulsory**

25. Differentiate Data and Information.

26. What is role of ALU?

27. Explain and differentiate static and auto variables.

28. Write the features of Operating Systems.

29. Explain the term NIC and Protocol.

30. What are Escape Sequences? List few.

31. What is the use of the following commands:

a) cat b) cp c) rm d) mkdir

32. What is storage Class? What are its types?

33. Write the components of function prototype.

PART-D**IV. Answer the following questions in detail.****5X5=25**

34. a) Write the generation of the Computers.

Or

b) What are the types of software?

35. a) Explain all the gates with truth tables & Circuit.

Or

b) What are the types of network? Explain it.

36. a) Explain the Process Management with Algorithm.

Orb) Explain **for** loop with an example.

37. a) Explain While & do....While loop with an example.

Or

b) Explain Simple if & If....Else statement with an example.

38. a) Explain different types of memory.

Or

b) Explain the different types of lists in HTML With program.

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