

COMMON QUARTERLY EXAMINATION - SEPTEMBER 2019

Standard - 11

Reg No.

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PART - III - COMPUTER SCIENCE

Time Allowed: 2.30 Hours

Maximum Marks: 70

Instructions:

1. Check the question paper for fairness of printing. If there is any lack of fairness, inform the Hall Supervisor immediately.
2. Use Blue or Black ink to write and underline and pencil to draw diagrams.

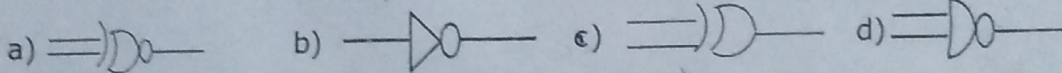
PART - I

I. Note: i) Answer all the questions.

15×1=15

ii) Choose the most appropriate answer from the given four alternatives and write the option code and the corresponding answer.

- 1) Plotter is a \_\_\_\_\_ device.  
a) storage                      b) input                      c) output                      d) memory
- 2) Line printers are capable of printing much more than \_\_\_\_\_ lines per minute.  
a) 1000                      b) 1200                      c) 1500                      d) 1300
- 3)  $A = \overline{\overline{A}}$   
a)  $\overline{A}$                       b) 1                      c) 0                      d) A
- 4) Which one is XOR gate?



- 5) Blue Ray disc can store upto \_\_\_\_\_ GB of Data.  
a) 50                      b) 6.4                      c) 6.2                      d) 70
- 6) To connect mouse and keyboard to PC \_\_\_\_\_ is used.  
a) VGA                      b) SCSI                      c) PS/2                      d) HOMI
- 7) In which version start button was removed?  
a) Windows 10                      b) Windows 8                      c) Windows NT                      d) Windows 98
- 8) To rename a folder click \_\_\_\_\_ button.  
a) F2                      b) F3                      c) F10                      d) F4
- 9) Who developed C++?  
a) Charles Babbage                      b) Bjarne Stroustrup  
c) Bill Gates                      d) Sundar Pichai
- 10) In flowchart \_\_\_\_\_ boxes represent inputs given and outputs produced.  
a) Rectangle                      b) Parallelogram                      c) Diamond                      d) Triangle
- 11) There are \_\_\_\_\_ important control flow statements.  
a) 2                      b) 4                      c) 6                      d) 3
- 12) How many times the loop is iterated?  
i := 0  
While i≠5  
i := i+1  
a) 4                      b) 5                      c) 6                      d) 0
- 13) Which one of the following is the Android operating system version?  
a) Kitkat                      b) Lollipop                      c) Beta                      d) All the above

- 14) Identify the odd one from the keyword of jump statements:  
 a) break                      b) switch                      c) goto                      d) continue
- 15) Which of the following function is with a return value and without any argument?  
 a) x=display(int, int)    b) x=display()    c) y=display (float)    d) display (int)

**PART - II**

**II. Answer any 6 questions. Qn. No. 24 is compulsory:** **6×2=12**

- 16) Write notes on fifth generation computers.  
 17) What is BCD?  
 18) What is meant by a token? List out the types.  
 19) What is a single user operating system?  
 20) Save, Save As - Differentiate.  
 21) What is Abstraction?  
 22) What is modifier and list out the types of modifiers?  
 23) Define function and write the advantages of function.  
 24)  $C = \bar{A} \cdot B + A \cdot \bar{B} \rightarrow$  Draw the logic circuit.

**PART - III**

**III. Answer any 6 questions. Qn. No. 33 is compulsory:** **6×3=18**

- 25) Write notes on multimedia projector.  
 26) Explain byte, bit, nibble.  
 27) What is file access level?  
 28) Define clock speed.  
 29) Write output of the C++ program.  

```
# include <iostream>
using namespace std;
int main( )
{
cout<<"welcome to programming in C++";
return 0;
}
```

30) Write a notes on type conversion in C++?  
 31) Write about (i) strlen ( ) (ii) isdigit ( ) (iii) strcat ( ).  
 32) What is a recycle bin?  
 33) State reason why we cannot find 1's complement for  $28_{10}$ ?

**PART - IV**

**IV. Answer all the questions:** **5×5=25**

- 34) Differentiate impact and non-impact printers. **(OR)**  
 Prove DeMorgan's First Law using truth table.
- 35) Explain I/O operators with syntax and give example. **(OR)**  
 Explain Distributed Operating System.
- 36) Write the similar icons of windows operating system that was used in Ubuntu operating system. **(OR)**  
 Explain for loop with example.
- 37) Explain scope rules of variables in C++ with example. **(OR)**  
 Convert:  
 i)  $8BC_{16} = ( )_2$                       ii)  $6213_8 = ( )_2$                       (iii)  $255_{10} = ( )_{16}$   
 iv) Add:  $-22_{10} + 15_{10}$     v)  $-98_{10}$  - Write the 2's complement. **(OR)**
- 38) Explain RISC and CISC.  
 Write notes on:  
 i) DVD    ii) EEPROM    iii) I/Os operating system

Provided by  
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