

**Class : 11**

Register Number

**First Revision Examination 2018-19 cuddalore dist**

**COMPUTER SCIENCE**

Time Allowed : 2.30 Hours]

[Max. Marks : 70

**Section - I**

Note : (i) Answer All the questions.

15×1=15

(ii) Choose the correct answer and write the option code & the corresponding answer.

1. Expand POST  
(a) Post on Self Test (b) Power on Software Test  
(c) Power on Self Test (d) Power on Self Text
2. How many characters can be handled in Binary coded Decimal system?  
(a) 64 (b) 255 (c) 256 (d) 128
3. Which of the following operating systems support mobile devices?  
(a) Windows 7 (b) Linux (c) Boss (d) iOS
4. If  $i = 5$  before the assignment  $i := i - 1$  after the assignment the value of  $i$  is  
(a) 5 (b) 4 (c) 3 (d) 2
5.  $A + A = ?$   
(a) A (b) 0 (c) 1 (d) A
6. Which is the default browser for Ubuntu?  
(a) Firefox (b) Internet Explorer (c) Chrome (d) Thunderbird
7. If  $m \times a + n \times b$  is an invariant for the assignment  $a, b :=$   
(a)  $m = 8, n = 7$  (b)  $m = 7, n = -8$  (c)  $m = 7, n = 8$  (d)  $m = 8, n = -7$
8. Which of the following is called as compile time operators?  
(a) size of (b) Pointer (c) Virtual (d) This
9. Which operator to be used to access reference of a variable?  
(a) \$ (b) # (c) & (d) !
10. for (int i = 0 ; i < 10; i ++)  
(a) 0 (b) 10 (c) 9 (d) 11
11. Array subscripts is always starts with which number?  
(a) -1 (b) 0 (c) 2 (d) 3
12. Write one and use it multiple time can be achieved by  
(a) redundancy (b) reusability (c) modification (d) composition
13. Which of the following access specifier protects data from in advertent modification?  
(a) private (b) protected (c) public (d) Global
14. Which of the following derives a class student from the base class school  
(a) Student : Public School (b) Class school : public student  
(c) School : Student (d) Class student : Public school
15. Which of the following tracks a user visits a website?  
(a) SPY ware (b) Cookies (c) Worms (d) Trojans

**SECTION - II**

II. Answer any Six questions. question No. 18, is Compulsory.

6 x 2 = 12

16. Differentiate Input and Output unit.
17. What is multi - processing?
18. Differentiate save and Save as option.
19. What is HDMI.
20. Draw a flowchart for conditional statement.
21. Write a for loop that displays the numbers from 21 to 30.
22. What is polymorphism.
23. Define : Structure, Array,
24. What is function overloading?

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SECTION - III

6 x 3 = 18

- III. Answer any six questions. Q. No 28 is Compulsory.
25. Add : i)  $1101010_2 + 101101_2$  ii)  $-22_{10} + 15_{10}$
  26. Explain and listout examples of mobile operating system.
  27. Write the truth table of fundamental gates.
  28. Differentiate Thunderbird and Firefox in Ubuntu OS.
  29. What is switch statement? Write their syntax.
  30. Write note on an Array of Strings.
  31. Differentiate constructor and Destructor.
  32. What are the rules for function overloading.
  33. What do you mean by overriding?

SECTION - IV

5 x 5 = 25

IV. Answer all the questions.

34. Discuss the various generations of computers. (or)
35. Explain the types of Rom. (or)
36. Explain the fundamental gates with expression and truth table. (or)  
Find 1's complement and 2's complement for the following decimal number.  
a) -98 b) -135
37. Draw and compare the icon equivalence in windows and Ubuntu. (or)  
What entry control Loop? Explain any one of the entry control loop with suitable example. (or)
38. Explain call by value method with suitable example. (or)  
What are the advantages of OOP<sub>s</sub>? (or)
39. Explain the different types of inheritance? (or)  
Write the output of the following.

```
# include < iostream>
#include <stdio.h>
using namespace std;
class P
{ public:
P ()
{ cout << "\n constructor of class P";}
~ P ()
{ cout << "\n destructor of class P";}
};
Class Q
{ Public :
{Cout << "\n constructor of Class Q";}
~ Q ()
{ cout << "\n destructor of class Q";}
};
Class R
{ P obj 1, obj 2 ; obj 3;
Public
R ()
{ cout << "\n destructor constructor of class R";}
~ P ()
{ cout << "\n destructor of class R";}
};
int main ()
{ R or;
Q oq;
P op;
return 0 ;
```

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