

## Model Public Exam Question Paper - 1

CLASS : 11

MARKS : 70

SUB : COMPUTER SCIENCE

TIME : 3.00 hrs

I. Choose the best answer:

15x=15

1. Which refers to all the physical components associated with the computers?  
A) Software      B) Hardware      C) Data      D) Memory
2. Convert the decimal 948 to Hexadecimal  
A) 650      B) FACE      C) 3B4      D) 15B3
3. Which operating system more than one tasks executed concurrently?  
A) Single user      B) Multi user      C) Time sharing      D) Multi processing
4. Which Window version is called “My computer”?  
A) Windows XP      B) Windows 10      C) Windows 8      D) Windows 7
5. Which of the following operator is extraction operator of C++?  
A) >>      B) <<      C) <>      D) ^^
6. What will be the value stored in the variable S?  
N1=10;  
N2=20; S=N1++ + ++N2;  
A) 31      B) 32      C) 30      D) 29
7. The range of int is  
A) -127 to 128      B) 0 to 255      C) -128 to 127      D) -32768 to 32767
8. In C++, array subscript value is enclose within which symbol?  
A) [ ]      B) { }      C) ( )      D) < >
9. Which refers to showing only the essential features without revealing background details?  
A) Encapsulation      B) Data Abstraction      C) Inheritance      D) Polymorphism
10. Which operator cannot be overloaded?  
A) :: . sizeof ? :      B) : sizeof + \*      C) + - \* ? :      D) + . ? sizeof
11. Which one of the following tracks a user visits a website?  
A) spyware      B) cookies      C) worms      D) Trojans
12. Expansion for TSCII is  
A) Tamil Script Code for Information Interchange  
B) Tamil System Code for Information Interchange  
C) Tamil Service Code for Information Indian  
D) Tamil Script Computer for Information Interchange
13. for(int i = 0; i<=5; i+=1); is called as  
A) Finite loop      B) Infinite loop      C) Empty loop      D) Nested loop
14. Member functions are called as  
A) Methods      B) Attributes      C) Objects      D) Class

15. Which is return data type of the function prototype of add(int, int); ?

- A) int                      B) float                      C) char                      D) double

**II. Answer the any 6 in the following questions:**

**6x2=12**

**Q.No : 18 is compulsory**

16. Write the functions of control unit.

17. How will you rename a file?

18. What are the values of variables m and n after the assignment in line (1) and line (3)?

(1) m, n := 4, 10

(2) -- m, n = ?, ?

(3) m, n := m + 5, n - 2

(4) -- m, n = ?, ?

19. What is meant by a token? Name the token available in C++.

20. Write about strlen( ) function.

21. Differentiate classes and objects.

22. What is function overloading?

23. What is harvesting?

24. Add : a)  $-22_{10} + 15_{10}$                       b)  $20_{10} + 25_{10}$

**III. Answer the any 6 in the following questions:**

**6x3=18**

**Q.No : 29 is compulsory**

25. Write the truth table of fundamental gates.

26. Differentiate CD and DVD.

27. Differentiate copy and move.

28. Why is char often treated as integer data type?

29. Write the syntax and purpose of switch statement.

30. What is the difference between isupper( ) and toupper( ) function?

31. Write note on array of strings.

32. What do you mean by overriding?

33. Write the different types of cyber attacks.

**IV. Answer the following:**

**5x5=25**

34. Discuss the various generations of computers. **(OR)**

Convert the following: (i)  $(1920)_{10} = ( )_8$                       (ii)  $(1920)_{10} = ( )_2$                       (iii)  $(8BC)_{16} = ( )_2$   
(iv)  $(6213)_8 = ( )_2$                       (v)  $(255)_{10} = ( )_{16}$

35. Explain the concept of distributed operating system. **(OR)**

Explain the different ways of finding a file or folder.

36. Write about binary operators used in C++. **(OR)**

What is an entry control loop? Explain with suitable example.

37. Explain call by value method with suitable example. **(OR)**

What are the rules for operator overloading?

38. Explain the different types of inheritance. **(OR)**

What are the various crimes happening using computer?

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