

Tsi11CS

Tirukkasi District  
Second Revision Examination - 2024

09-02-2024

Time: 3.00 Hours

**Standard 11**  
**COMPUTER SCIENCE**  
**Part - I**

Marks: 70  
15x1=15

**Answer all the questions. Choose the most appropriate answer from the given four alternatives and write the option code with corresponding answer**

- 1) ..... was the first Digital computer  
a) EDVAC                      b) ENIAC                      c) UNIVAC                      d) IBM series
- 2) The ASCII code equivalent to the upper case letter 'A' is .....  
a) 97                              b) 48                              c) 64                              d) 65
- 3) What is the storing capacity of double layer Blu-Ray Disc?  
a) 4.7 GB                      b) 50 GB                      c) 2 TB                              d) 700 MB
- 4) Expansion of GUI  
a) Graphical User Interface                      b) Graphical User Interchange  
c) Graphics User Information                      d) Graphical Using Interface
- 5) The shortcut key used to quit an application in windows 7 is  
a) F2                              b) Ctrl + C                      c) Ctrl + Q                      d) Ctrl + E
- 6) The named boxes are used to store the data is called as  
a) Algorithm                      b) Variables                      c) Information                      d) Abstraction
- 7) How many Data Qualifiers are used in C++  
a) 2                                  b) 3                                  c) 4                                  d) 5
- 8) Identify the odd one from the keywords of Jump statement  
a) Jump                              b) Goto                              c) Continue                      d) Break
- 9) Which function is used to get a single character from keyboard?  
a) gets()                              b) getchar()                      c) puts()                              d) putchar()
- 10) At the end of every string is terminated by ..... character  
a) /0                                  b) \0                                  c) /n                                  d) /n
- 11) Which programming technique aims more on algorithm  
a) Procedural Programming                      b) Modular Programming  
c) Object Oriented programming                      d) Database Programming
- 12) Which of the following is a user defined combination of data items with different data types  
a) Array                              b) Float                              c) Class                              d) structure
- 13) A constructor without parameter is called as  
a) Copy constructor                      b) Default constructor  
c) Parameterised constructor                      d) Implicit call
- 14) Stealing tiny amounts of money from each transaction is called as .....  
a) Fraud                              b) Scam                              c) Malware                              d) Salami Slicing
- 15) The First Tamil Programming Language is .....  
a) Tamiltzpori                      b) Azhagi                              c) Ponmozhi                              d) Ezhil

**Part - II**

**Answer any six questions. Q.No.24 is compulsory.**

6x2=12

- 16) What is cold Booting?
- 17) What is Micro Processor?
- 18) How do you create a new folder?
- 19) What is character constant in C++?
- 20) Write down the Syntax of Conditional Operator?
- 21) What is Recursion?
- 22) What is Software Piracy?
- 23) What is e-Governance?
- 24) Write down the syntax of operator overloading?

**Part - III**

**Answer any six questions. Q.No.33 is compulsory.**

6x3=18

- 25) Write a short note on UNICODE
- 26) Write any three advantages of Distributed Operating System
- 27) Write the Specification in a Standard format
- 28) Write a short note on setw() manipulator with its syntax.
- 29) What is function overriding?
- 30) What are the rules for function overloading?
- 31) Write a note on array of Strings with example

32) Write the General Form of a Class definition

33) Write the short program to print the following series 1, 5, 9, 13, ..... 37

**Part - IV****Answer all questions.****5x5=25**

34) a) Explain the Logic Gates with expression, symbol and their corresponding Truth Table.

**(OR)**

b) Explain any five types of ports and interfaces in computer.

35) a) Evaluate the following C++ Expression, where x, y, z are integers and m, n are floating point numbers. The value of x=5, y=4 and m= 2.5

i)  $n = x + y/x$  ii)  $z = m * x + y$  iii)  $z = (x + +) * m + x;$

**(OR)**

b) What is Exit-controlled Loop? Explain it with example?

36) a) Write a program to accept any integer number and reverse it?

**(OR)**

b) Explain call by reference method with example

37) a) Explain the different visibility mode through pictorial representation.

**(OR)**

b) Write the output of the following program

```
#include <iostream>
using namespace std;
Class Seminar
{ int Time;
public:
Seminar()
{Time=30;cout<<"Seminar starts now" <<endl;}
void Lecture()
{cout<<"Lectures in the seminar on " <<endl;}
Seminar(int Duration)
{Time = Duration; cout<<"Welcome to Seminar" <<endl;}
Seminar (Seminar & D)
{Time = D. Time; cout<<"Recap of Previous Seminar Content" <<endl;}
~Seminar()
{cout<<"Vote of thanks" <<endl;}};
int main()
{Seminar s1, s2(2), s3(s2);
s1.Lecture();
return 0;
}
```

38) a) Debug the following program

```
%include (iostream.h)
#include <conio.h>
Class A()
{public;
int a1, a2, a3;
void getdata[]
{a1=15; a2=13; a3=13;}}
class B : : public A()
{PUBLIC
void func()
{int b1 : b 2 : b3;
A : : getdata[];
b1=a1;
b2=a2;
a3=a3;
cout<<b1<<'\t'<<b2<<'\t'<<b3;}}
void main()
{ B der;
der1: func();}
```

SIVAKUMAR.M,

Sri Ram Mathric HSS

Vallam- 622809

Tentkasi Dist.

**(OR)**

b) Explain any five computer crimes and their functions.

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