

Tsl11CS

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Part - III

Answer any 6 questions. Q.No. 33 is compulsory.

6x3=18

- 25) Explain about classification of Microprocessors based on the Data width
- 26) Write a note on User-defined functions
- 27) What is Decomposition?
- 28) Write short notes on class access specifier in C++
- 29) Write about encryption and decryption
- 30) Write the syntax and purposes of switch statement
- 31) Write a short note Tamil virtual Academy
- 32) What is called nested structure? Give example
- 33) Read the following C++ snippet and answer the questions below.

```

Class student
{
    int m, n;
Public:
    Void add();
    float calc();
}X1,X2;

```

- i) Identify the members of the class
- ii) What is the size of the objects X1, X2 in memory.

Part - IV

Answer all the questions

5x5=25

- 34) a) Discuss the various Generation of computers. (OR)
- b) Find 1's complement and 2's complement for the following Decimal number
i) -96 ii) -125
- 35) a) Explain the versions of windows operating system (OR)
- b) What are the types of Errors?
- 36) a) Explain call by value method with example (OR)
- b) Mention the difference constructor and destructor
- 37) a) What is an entry controlled loop? Explain any one of the entry controlled loop with syntax and suitable example. (OR)
- b) Explain scope rules of variables in C++ with example.
- 38) a) What are the rules for operator overloading? (OR)
- b) Debug the following C++ 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 : b2 : b3;
A :: getdata [ ];
b1 = a1;
b2 = a2;
a3 = a3;
cout << b1 << '\t' << b2 << '\t' << b3;}
void main ( )
{
B der ;
der1 : fun c( ); }

```

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