Tsi11CS

Tenkasi District
Common Half Yearly Examination - December 2025

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Standard 11
COMPUTER SCIENCE

Time Allowed: 3.00 Hours   Maximum Marks: 70

PART – I

(i) Answer all questions.   [15×1=15]

1. Which is the temporary memory?
(a) ROM   (c) RAM   (b) PROM   (d) EPROM

2. Which is the communication device? Which helps to connect the computer screen device
(a) USB   (b) Ps/2   (c) SCSI   (d) VGA

3. How many bytes does 1 KiloByte contents?
(a) 1000   (b) 8   (b) 4   (d) 1024

4. The File management system used by Linux is
(a) ext2   (b) NTFS   (c) FAT   (d) NFTS

5. The Shortcut key used to rename a file in windows?
(a) f2   (b) f4   (c) f5   (d) f6

6. Characters automatically end with which of these characters?
(a) \0   (b) \t   (c) \n   (d) \b

7. "Write once, use many times" - is implemented through it.
(a) Data redundancy   (b) Reusability   (c) Change   (d) Compilation

8. 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

9. The technique of providing a new meaning to an operator is called ------- overloading.
(a) Operator   (b) Function   (c) scope resolution   (d) size of

10) Creating another derived class based on a derived class is:
(a) Multiple Inheritance   (b) Multi-level   (c) Single   (d) Hybrid

11) The multi way branch statement
(a) if   (b) if.. else   (c) switch   (d) for

12. Which of the following is the scope operator?
(a) >   (b) &   (c) %   (d) ::

13) Which is a hybrid language?
(a) Python   (b) SQL   (c) C++   (d) C#

14) How many times will the following loop run?
for(int i=0; i<10; i++)
(a) 0   (b) 10   (c) 9   (d) 1

15) int age [ ]={ 6,90,20,18,2}; How many elements are there in this array ?
A) 2   B) 5   C)6   D) 4

PART - II

II. Answer any 6 questions. (Question No. 24 is compulsory)   6 X2=12

16. What is data?
17. What is a program counter?
18. How would you rename a file?
19. Write the truth table for the XOR gate.
20. Write a short note on the const special word with example?.
21. Write a for loop to print numbers continuously from 1 to 30.
22. Define - structure and what is its use?
23. What are the disadvantages of object-oriented programming?
24. What is the use of inheritance?

PART - III

Answer any six questions only.(Question no. 33 is compulsory)   6 X3=18

25. What are the characteristics of a computer?
26. write a note on Recycle bin
27. Convert $(130)_{10}$ to its equivalent binary number and write it in 1's complement form.
28. Differeentiate CD and DVD
29. Write about strcmp() function.
30. Write a note on Array of Strings?
31. What is case analysis?
32. What are the advantages and disadvantages of time-sharing operating system?
33. Write a program to print the following number series:
    1 4 7 10 ... 40

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PART -IV

Answer all questions.   5×5=25

34 (a) Explain the following
      (a) Dot matrix printer
      (b) Multimedia projector
      (c) Barcode / QR reader
               (OR)

(b)Add the binary numbers:
     a) $23_{10} + 12_{10}$
     b) $-2_{10} - (-6_{10})$

35. (a) Write a detailed explanation about the types of ROM.
               (OR)

(b) Explain the process management algorithms of the operating system.

36 (a) What is an entry controlled loop? Explain any one entry-controlled loop with a suitable example.
               (OR)

(b) Explain the different forms of returning a function value with examples.

37 (a) Write the output of the following C++ program.

```
#include<iostream>
Using namespace std;
int main()
{
int num, even=0, odd=0;
for(int i=0;i<10;i++)
{
if(num[i]%2==0)
even++;
else
odd++;
}
cout<<"there are "<<even<<" even numbers and "<<odd<<" odd numbers";
}
```

               (OR)

(b)Differentiate between constructor and destructor.

38 (a)Find the errors in the following program:

```
\#include<iostream.h>
\#include<conio.h>
class A
{
public;
int a1,a2,a3;
voidgetdata()
{
a1=15;a2=13;a3=13;
}
};
class B:: public A
{
public:
voidfunc()
{
int b1,b2,b3;
A::getdata();
b1=a1;
b2=a2;
a3=a3;
cout<<b1<<" "<<b2<<" "<<b3;
}
};
void main()
{
B der;
der.func();
}
```

               (OR)

(b).Explain the procedures to search for a file (or) folder.

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