

Ts11CS

Tenkasi District Common Examinations
Common Second Revision Examination - February 2023



23.02.2023

Standard 11

COMPUTER SCIENCE

Time: 3.00 Hours

Part - I

Marks: 70

15x1=15

I. Choose the correct answer and write the answers with option code:

- 1) Which is used to connect a monitor or any display device like LCD Projector to a computer?
a) SCSI port b) VGA connector c) USB Port d) PS/2 Port
- 2) Which function is used to check whether a character is alphanumeric or not?
a) isalnum() b) islower() c) isalpha() d) isdigit()
- 3) A Computer network security that monitors and controls incoming and outgoing traffic is :
a) Firewall b) Worms c) Cookies d) Virus
- 4) Which gate is called as the logical inverter?
a) XNOR b) AND c) OR d) NOT
- 5) After the assignment what values will be stored in the variables m, n?
m, n := 10, 5
m, n := m + 3, n - 2
m, n := ?, ?
a) 3, 13 b) 10, 13 c) 13, 3 d) 10, 5
- 6) Which of the following is a user defined data type?
a) Char b) class c) float d) int
- 7) In C++ which of the following operator can be overloaded?
a) ? : b) + c) sizeof d) ::
- 8) Which of the following is single user operation system?
a) Linux b) Ms - Dos c) Unix d) Windows
- 9) How many categories of data types are available in C++?
a) 3 b) 5 c) 2 d) 4
- 10)

```
int x = 10;
int main ()
{
    int x = 100;
    cout << :: x;
}
```

The output for the above snippet is:
a) 100 b) x c) :: x d) 10
- 11) "Write Once and use it multiple time" can be achieved by:
a) Modification b) Redundancy c) Composition d) Reusability
- 12) How many characters can be handled in Binary coded Decimal System?
a) 65 b) 25 c) 256 d) 128
- 13) The shortcut key used to rename a file in windows.
a) F2 b) F4 c) F5 d) F6
- 14) Which of the following is the scope operator?
a) > b) & c) % d) ::
- 15) Which of the following is not a malicious program on computer systems?
a) Worms b) Trojans c) Spyware d) Cookies

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Part - II

6x2=12

II. Answer any Six questions. Question No. 24 is compulsory.

- 16) What are the components of a CPU?
- 17) What is a program counter?
- 18) What is the difference between an algorithm and a program?
- 19) What is function overloading?
- 20) What is TSCII?
- 21) Initially j is 20 and p is 4, then what will be the value of $p = p * ++j$;
- 22) Write the syntax to declare two - dimensional array and write a suitable example.
- 23) What is recursion?
- 24) What are the importance of void data type?

Part - III

6x3=18

III. Answer any Six questions. Question No. 33 is compulsory.

- 25) Write the truth table of fundamental gates.
- 26) Write note on strcmp() function in C++?
- 27) What is type conversion? Write short note on implicit type conversion.
- 28) What is called nested structure? Give example.
- 29) Explain about classification of Microprocessors based on the Data Width.
- 30) Write the syntax and the purposes of switch statement.
- 31) What is default arguments? Give example.
- 32) List some of the features of modular programming.
- 33) Write about encryption and decryption

Part - IV

5x5=25

IV. Answer all the questions.

- 34) a) Explain the basic components of a computer with a neat diagram.
(OR) *Tenkasi Dist.*
- b) Explain the fundamental gates with expression and truth table.
- 35) a) Explain the types of ROM
(OR)
- b) Explain the different ways of finding a file or folder.
- 36) a) What are the restrictions on operator overloading?
(OR)
- b) Explain different types of inheritance?
- 37) a) Explain the entry controlled loop with suitable example.
(OR)
- b) Explain scope rules of variables in C++ with example.
- 38) a) Explain the process management algorithm in Operating System.
(OR)
- b) Explain about String Functions.
