

Tsi11CS

Tenkasi District
Common Second Revision Test - 2025



03-02-25

Standard 11
COMPUTER SCIENCE

Time Allowed: 3.00 Hours

Maximum Marks: 70

Part - I**15×1=15****Choose the correct answer:**

- 1) Which shortcut key is used to cut a file or folder?
a) Ctrl+Alt+C b) Ctrl+Alt+X c) Ctrl+C d) Ctrl+X
- 2) 2^{40} is referred as
a) Kilo b) Tera c) Peta d) Zetta
- 3) What is the smallest size of data represented in a CD?
a) Blocks b) Sectors c) Pits d) Tracks
- 4) Operating system provides how many levels of securities to the user?
a) 2 b) 3 c) 4 d) 1
- 5) Which is volatile memory?
a) ROM b) PROM c) RAM d) EPROM
- 6) Using the following recursive definition $a^n = \begin{cases} 1 & \text{if } n = 0 \\ a \times a^{n-1} & \text{otherwise} \end{cases}$
how many multiplications are needed to calculate a^{10} ?
a) 11 b) 10 c) 9 d) 8
- 7) Which of the following operator is extraction operator in C++?
a) >> b) << c) <> d) ^^
- 8) How many times the following loop will execute?
for (int i = 0; i < 5; i++)
a) 0 b) 5 c) 4 d) 6
- 9) If two strings are equal, then strcmp () function return which value?
a) 0 b) -1 c) +1 d) =
- 10) By default, a string ends with which character?
a) \0 b) \t c) \n d) \b
- 11) A constructor that accepts no parameter is called as
a) Parameterized constructor b) Copy constructor
c) Default constructor d) Non-parameterized constructor
- 12) Which is the first Tamil programming language?
a) Thamizpori b) Ezhil c) Kamban d) Vani
- 13) Distributing unwanted e-mail to others is called
a) scam b) spam c) fraud d) spooting
- 14) Inheritance is a process of creating new class from
a) Base class b) Abstract c) Derived class d) Function
- 15) Which of the following is the identifiable with some characteristics and behaviour?
a) class b) object c) structure d) member

Part - II**Note: Answer any six of the following questions:****6×2=12****Question No. 24 is compulsory.**

- 16) List the encoding systems that represent characters in memory.

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- 17) What is program counter?
- 18) What is an invariant?
- 19) Write about strlen() function.
- 20) What are Warez?
- 21) What is abstraction?
- 22) What are called standard icons?
- 23) Define class.
- 24) Convert the following if-else statement into conditional statement.

```
if (marks >= 60)
```

```
    Grade = 'A';
```

```
else
```

```
    Grade = 'B';
```

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Part - III

Note: Answer any six questions. Question No. 33 is compulsory. 6×3=18

- 25) Add: (a) $-22_{10} + 15_{10}$ (b) $20_{10} + 25_{10}$
- 26) Write the De Morgan's Laws.
- 27) Classify the microprocessor based on the size of the data.
- 28) Write a note on the elements of a windows.
- 29) Why is main() function special?
- 30) Write the syntax and purpose of switch statement.
- 31) Write short note on pow() function in C++.
- 32) How to access members of a structure? Give an example.
- 33) Write a C++ program to print multiplication table of a given number.

Part - IV

Note: Answer all the questions. 5×5=25

- 34) a) Explain the basic components of a computer with a neat diagram.
(OR)
b) Explain the concept of a distributed operating system along with its advantages.
- 35) a) Perform binary addition for the following:
(i) $(-21)_{10} + (5)_{10}$ (ii) $(-12)_{10} + (15)_{10}$
(OR)
b) What is function overloading? What are the rules for function overloading?
- 36) a) Explain about the types of ROM.
(OR)
b) Write the difference between if-else and switch statement.
- 37) a) What is an output unit? Explain any three output devices.
(OR)
b) Explain the different types of inheritance.
- 38) a) What are the advantages of OOPs?
(OR)
b) What is an entry control loop? Explain any one of the entry controlled loop with suitable example.
