



Time: 3.00 Hours

Standard 11
COMPUTER SCIENCE
PART –I

Marks: 70

I Answer all the questions

15 x 1= 15

1. When a system restarts which type of booting is used
a) Warm booting b) Cold booting c) Touch boot d) Real boot
2. How many characters can handled in Binary Coded Decimal System?
a) 64 b) 255 c) 256 d) 128
3. Which of the following is not a function of Operating System?
a) Process management b) memory management
c) Security management d) Compiler environment
4. Which is the default folder for many windows applications to save our file?
a) My Document b) My Pictures c) Documents and Settings d) My Computer
5. Stating the input property and the input-output relation a problem is known
a) Specification b) Statement c) algorithm d) Definition
6. What was the original name given to C++ ?
a) CPP b) Advanced C c) C with Classes d) Class with C
7. Which of the following is not a data type modifier?
a) Signed b) int c) long d) short
8. The set of statements that are executed again and again in iteration is called as
a) Condition b) loop c) statement d) Body of loop
9. Which of the following header file defines the standard I/O predefined functions?
a) stdio.h b) math.h c) string.h d) ctype.h
10. Structure definition is terminated by
a) : b) } c) ; d) ::
11. "Write once and use it multiple time" can be achieved by
a) Redundancy b) reusability c) modification d) composition
12. Which of the following access specifier protects data from inadvertent modifications?
a) private b) protected c) public d) global
13. Inheritance is the process of creating new class from
a) Base class b) abstract c) derived class d) function
14. Which one of the following tracks a user visits a website?
a) Spyware b) cookies c) worms d) Trojans
15. The first tamil programming language is:
a) Ponmadal b) Kamban c) Ezhil d) Tamizpori

PART –II

II Answer any 6 questions and question no.24 is compulsory

6 x 2 =12

16. Distinguish between data and information
17. Write the Associative law
18. What are the security management features available in Operating System?
19. Write a note on increment and decrement operator in C++
20. What is a null statement and compound statement?
21. Define structure. What is its use?

22. List the operators that cannot be overloaded
23. What is the difference between public and private visibility mode?
24. Write a short note on Cracking.

PART -III

III Answer any 6 questions and question no. 28 is compulsory 6 x 3 = 18

25. Write short note on Impact printer
26. Draw the circuit of Bubbled OR gate.
27. What are the functions of windows operating system?
28. Convert the following if-else to a single conditional statement:

```
if (x >= 10)
    a = m + 5;
else
    a = m;
```

29. What is default argument? Give example.
30. Write a C++ program to print your address on the screen.
31. Write a note on the features of procedural programming.
32. Discuss the benefits of constructor overloading
33. List the search engines supported by tamil language.

PART -IV

IV Answer all the questions 5 x 5 = 25

34. Explain the basic components of a computer with a neat diagram
(or)

Explain the Derived gates with expression and truth table.

35. Explain the type of ROM
(or)

Explain the versions of Windows Operating System

36. Discuss the following jump statements : a) goto b) continue
(or)

What are the different forms of function return? Explain with example.

37. Write a C++ program to read the student information through the keyboard and displays the same using Structure.
(or)

What are the advantages of OOPs.

38. Explain the different visibility mode through pictorial representation.
(or)

What is Piracy? Mention the types of piracy? How can it be prevented ?
