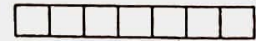


11 - STD**FIRST REVISION TEST - 2024**

Time : 3.00 Hrs

COMPUTER SCIENCE

Marks : 70

YouTube/ Akwa Academy PART-I

(i) Answer all the questions. Choose the correct answer:

15 × 1 = 15

1. Which is the fastest memory?
(a) Hard disc (b) Main memory (c) Cache memory (d) Blue-ray disc
 2. Operating system is a
(a) Application software (b) Hardware (c) System software (d) Component
 3. is the main component of Second Generation computers.
(a) Vacuum tubes (b) Transistors (c) Integrated circuits (d) Microprocessors
 4. How many bytes does 1 kilobyte contain?
(a) 1000 (b) 8 (c) 4 (d) 1024
 5. The shortcut key used to rename file in windows:
(a) F2 (b) F4 (c) F5 (d) F6
 6. Which of the following operator is extraction operator in C++?
(a) >> (b) << (c) <> (d) ^^
 7. Which of the following is a valid string literal?
(a) 'A' (b) 'Welcome' (c) 1232 (d) "1232"
 8. int age[] = {{6, 90, 12, 18, 2}; How many elements are there in this array ?
(a) 2 (b) 5 (c) 6 (d) 4
 9. How many access specifiers declared inside class definition ?
(a) 3 (b) 2 (c) 4 (d) 1
 10. How many types are there in inheritance ?
(a) 5 (b) 4 (c) 3 (d) 2
 11. The multi way branch statement :
(a) if (b) if...else (c) Switch (d) for
 12. Which of the following is the exit control loop?
(a) for (b) while (c) do...while (d) if...else
 13. Which function begins the program execution?
(a) isalpha () (b) isdigit () (c) main () (d) islower ()
 14. Which one of the following is Harass through online ?
(a) Cyber terrorism (b) Scam (c) Cyber stalking (d) Fraud
 15. Class product
int code, quantity;
float price;
};
int main()
{
product p1, p2;
return 0;
}
- How many bytes will be allocated with memory space of object p1?
(a) 4 bytes (b) 8 bytes (c) 12 bytes (d) 2 bytes

PART - II

Note: Answer any six questions. Question No. 24 is compulsory

6 x 2 = 12

16. What is an invariant ?
17. List the encoding systems that represent characters in memory.
18. What is a program counter ?
19. Write about strlen() function.
20. What are called Standard icons ?
21. Convert the following if-else statement into conditional statement.
if (marks <= 60)
Grade = 'A';
else
Grade = 'B';
22. Define class.
23. What are Warez ?
24. What is abstraction ?

PART - III

Note: Answer any six questions. Question No. 33 is Compulsory

6 x 3 = 18

25. Write the two ways to create a new folder.
26. What are the characteristics of a Computer ?
27. Write down the classifications of microprocessors based on the instruction set.
28. What are the advantages and disadvantages of Time-sharing operating system ?
29. Write a short note on Tamil Virtual Academy.
30. Write a C++ program to display numbers from 1 to 10. Except 5 using 'for' and 'Continue' statement.
31. Write about strcmp() function.
32. Write short notes on Class access Specifiers of C++.
33. Write about encryption and decryption.

PART - IV

Note: Answer all the Questions

5 x 5 = 25

34. (a) Explain the Characteristics of a Microprocessor
Or
(b) Explain the Versions of Windows operating System
35. (a) Write about binary functions used in C++?
Or
(b) Explain Call by Value method with suitable example
36. (a) Discuss the various Generations of computers
Or
(b) 1) Convert : $(64.64)_{10} - ()_2$
2) Draw the Truth Table for XOR gate
37. (a) What are the rules for Operator overloading?
Or
(b) Explain the advantages of object oriented programming

38. (a) Debug the following C++ program:

Output

15

14

13

Program:

```
%include(iostream.h)
```

```
#include<conio.h>
```

```
Class A
```

```
public;
```

```
int a1,a2:83;
```

```
Void getdata1
```

```
{
```

```
a1-15:
```

```
a2-13;83-13;
```

```
}
```

```
Class B :: public A()
```

```
(
```

```
PUBLIC
```

```
voidfunc()
```

```
int bl:b2:b3;
```

```
A::getdata
```

```
bl-a1;
```

```
b2-a2;
```

```
a3-a3;
```

```
cout<<bl<<"\t<<h2<<t'\t'<<b3;
```

```
void main()
```

```
(
```

```
clrscr()
```

```
B der;
```

```
der 1:func();
```

```
getch();
```

```
}
```

Or

(b) Write notes on the type of inheritance?