

HSC 12th Standard
COMPUTER SCIENCE Model
question Paper - 3

Time : 2.30 Hrs]

[Max Marks : 70

Part – I

Choose the correct answer:

15 × 1 = 15

1. Which of the following key deletes the characters to the right of the insertion point?

- (A) Backspace (B) Delete key (C) Enter key (D) Esc key

2. It is the named set of default for formatting text:

- (A) Bold (B) Style (C) Ruler (D) Bullets

3. The command is used insert more than one row in a StarOffice Writer table:

- (A) Table → Rows → Insert (B) Insert → Table → Rows
(C) Insert → Rows → Table (D) Table → Insert → Rows

5. The spreadsheet application “Quattropro” developed by:

- (A) Microsoft Corporation (B) Lotus Corporation
(C) Borland International (D) Sun Microsystems

6. Which of the following is the text operator in StarOffice Calc?

- (A) & (B) # (C) + (D) @

7. Which database contains single data table?

- (A) Flat File (B) Relational (C) Network (D) Object Oriented

8. The ability of an object to respond differently to different messages is called

- (A) Polymorphism (B) Encapsulation
(C) Class (D) Object

9. Let c = 5, d = 6, ch = 'y', te = '2'; What will be the result of the following expression: (c == d) && (ch != te)

- (A) 5 (B) 6 (C) 0 (D) 1

10. Which modifier allows the variable to exist in the memory of the computer, even if its function or block within which it is declared loses its scope?
(A) auto (B) extern (C) static (D) register
11. Which of the following data type is used to declare a generic pointer?
(A) static (B) float (C) const (D) void
12. Which of the following string function is used to concatenate strings?
(A) strlen() (B) strcpy() (C) strcat() (D) strcmp()
13. Which of the following is allocating memory space to an object?
(A) Constructor (B) Destructor (C) Void (D) Static
14. Classes used only for deriving another classes are called as:
(A) Data member (B) Member function
(C) Derived class (D) Abstract class
15. How many steps are involved in medical transcription?

Part – II

Answer to any SIX questions

6 × 2 = 12

Question number 22 is compulsory

16. What is meant by text editing?
17. How will you remove the bullets and numbering list in StarOffice Writer?
18. Write any four spreadsheet applications?
19. What is date arithmetic? Give example.
20. Write a short note on handouts view and notes view.
21. Write a short note on Identifiers in C++. Given examples.
22. What will be the output of the following C++ snippet?

```
#include <iostream.h>
#include <conio.h>
void main( )
{
    clrscr( );
    int i = 3, x ;
    x = i > 0 ? i++ : ++i;
    cout << x;
    getch( );
}
```

23. Write the syntax of switch statement.
24. What are the advantages of functions in C++?

Part – III

Answer to any SIX questions

6 × 3 = 12

Question number 32 is compulsory

25. Answer to the followings:

- (a) Deleting Rows and Columns in StarOffice Writer
- (b) Deleting Entire table in StarOffice Writer

26. How will change margin using Page Style Dialog Box in StarOffice Writer?

27. Write a short note on Fill command in StarOffice Calc.

28. Write a short note on Filters StarOffice Base.

29. Write a short note on (i) MPEG (ii) AVI

30. Write short note on (i) Object (ii) Encapsulation

31. Write the output for the following C++ program.

```
#include <iostream.h>
#include <conio.h>
void main( )
{
    clrscr( );
    int a[ ] = {1, 2, 3, 4, 5 };
    for (int i=0; i<4; i++)
        a[i+1] = a[i];
    for (int i=0; i<5; i++)
        cout << '\n' << a[i];
    getch( );
}
```

32. Create a class the following description:

Tag: product

Data member: product_id, product_name, product_price, quantity

Member function for the followings:

- (i) To accepts value for data members;
- (ii) To calculate amount
- (iii) To display product details

33. Write a short note on static members.

Part – IV

Answer to ALL questions

5 × 5 = 25

34. How will you check the spelling after the document is typed?

(OR)

What are functions? How will you insert SUM in the worksheet?

35. How will you insert picture and special characters in spreadsheet?

(OR)

What are the advantages of computerized data processing?

36. Explain the procedure of inserting calc cell range into a text document.

(OR)

How will you create custom slide show?

37. Answer the following questions based on the give C++ program:

```
#include <iostream.h>
#include <conio.h>
void main( )
{
    clrscr( );
    int x=3, y=4, ctr=2, res=x;
    while (ctr <= y)
    {
        res *= x;
        ctr += 1;

        cout << "\n x to the power of y is " << res;
        getch( );
    }
}
```

- (i) What is the control variable used in the above program?
- (ii) How many times the loop will be executed?
- (iii) What are the statements inside the body of the loop?
- (iv) What is the test expression in the above code?
- (v) What is the output of the program?

(OR)

Write a C++ to find area of circle, rectangle and triangle using function overloading.

38. Explain the general working of 'for' loop with suitable example

(OR)

Read the following C++ program, rectify the errors and rewrite the correct program.

```
$include <IOSTREAM>
class base
```

```

{
    PUBLIC;
        Base[ ]
        {
            cout >> "\n Constructor of base class";
        }

        +Base( );
        {
            cout << "\n Destructor of base class;
        }
}
class base :: public derived
{
    public:
        derived( )
        {
            COUT << "\n Constructor of Derived";
        }

        ~derived[ ]
        {
            Cout >> "\n Destructor of Derived";
        }
};
VOID MAIN ( )
{
    clrscr( );
    derived x;
    getch( );
}

```
