

Final Term Examination 2017-2018

Std. : VII
Subject : Comp. Sc.

Full Marks : 80
Time : 2Hrs.+15mins.

SECTION — A (Answer all the questions)

I. Answer the following :

[10x2=20]

- (1) Name the 2 types of selection statement.
- (2) Define the term token.
- (3) Give any 2 examples of punctuators used in C++.
- (4) Explain relational operators with examples.
- (5) Name the logical operators used in C++ programming.
- (6) What is the use of default in switch case ?
- (7) What is fall through method ?
- (8) Give difference between switch case and if else.
- (9) Give the syntax of ternary operator.
- (10) `int n = 5;`
Identify the variable name, data type, assignment operator and constant used.

II. Name the following :—

[5x1=5]

- (1) A Linux based OS designed for touch screen mobile devices. _____
- (2) Full form of GPS _____
- (3) Full form of ISP _____
- (4) A power saving state of a computer to quickly resume full power operation _____
- (5) Extra browser windows of commercial that open automatically while browsing web pages. _____

III. Match the following :—

[6x1=6]

- | A | B |
|--------------------------|------------------------------|
| (1) Lady Ada Love lace | a) Logo |
| (2) Prof. seymour papert | b) First computer programmer |
| (3) Hewlett packard | c) Intel |
| (4) Bob Noyce | d) Printer company |
| (5) Chester carlson | e) www.yahoo.com |
| (6) Jerry yang | f) xerox. |

IV. Convert the following if else programs into ternary operator.

[2x2=4]

- | | |
|---|--|
| (i) int x;
if (x > 18)
cout << "Hello";
else
cout << "Goodbye"; | (ii) int l, m;
if (l > m)
cout << (l * m);
else
cout << (l + m); |
|---|--|

V. Give the output of the following program codes and show the working if needed. [5x2=10]

- (1) int x = 5;
if (x > 0)
 cout << x + x ;
else
 cout << x ;
- (2) if (ch == 'B')
 cout << "Bill Gates" ;
else if (ch == 's')
 cout << "steve Jobs" ;
else if (ch == 'M')
 cout << "Mark zuckerberg" ;
when, char ch = 's' ;
- (3) int n ;
switch (n)
{
 case 1 : cout << "January";
 case 2 : cout << "February";
 break ;
 case 3 : cout << "March" ;
 break ;
 default : cout << 'wrong entry" ;
}
when n = 1 ;
- 4) a = (20% 5 == 0) ? 4 : 20 ;
 cout << a ;
- 5) int a = 4 , b = 3;
 if (a > b)
 cout << (9/2) ;
 else
 cout << (a * b);

SECTION — B

(Answer any five questions) [5x7=35]

- (1) Write a program to accept the marks of a particular subject of a particular student check the marks and print the appropriate message. (if - else - if)

Below 40 — Fail

Between 41 to 60 — Average

Between 61 to 80 — Good

Between 81 to 100 — Excellent

- (2) Write programs using if - else

(a) to accept an age of a person and check if the person is eligible for driving license or not.

(b) to accept the number and check if the number is divisible by both 4 and 6 or not.

- (3) Write a program to enter two integer values and an option to perform calculations as per user choice. (switch case)

1. Sum, 2. Difference, 3. Product 4. Quotient.

- (4) Write programs using ternary operator.

(a) to accept an age of a person and check if the person is senior citizen or not.

(b) to enter the number and check if the number is greater than 10 or not.

- (5) Write a program to enter the number and check if it is single, double or triple digit number or not (if-else-if)

- (6) Write a program to enter an alphabet and check if it is a vowel or not.

- (7) Write a menu driven program using switch case to enter the number and print the given language as per choice.

1. English

2. Hindi

3. French

4. German