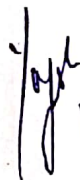


**BSHIVAJI COLLEGE, UNIVERSITY OF DELHI**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**INTERNAL TEST (Academic Year 2023-24)**

Name of the Course : B.Sc Physical Science (CS) Semester : 1st  
Name of the Paper : Programming Fundamentals Using C++  
Faculty Name : Ms. Yogesh Kumari  
Duration : 1hr Maximum Marks: 12  
Date of Test : 19.10.2023

**SET -A**

Q1.	Identify the valid or invalid identifier in C++. Give reason (i) public (ii) 1_ram	2
Q2.	What will be the result of the following expression in C++: (i) 20<<2 (ii) 56!=90 && 56<100	2
Q3.	Write an assignment statement using a single conditional expression for the following code segment if (marks>=80) Grade='A'; else Grade='B';	2
Q4.	Write a function to print the following pattern for a given integer n. The function must accept n ( The following pattern is printed for n=3 ) 1 22 333	2
Q5.	Find out the error in the following C++ statements (i) char ch="temp"; (ii) int b==3;	2
Q6.	Find the output of the following C++ code: <pre>#include&lt;iostream&gt; using namespace std; int sum(int x, int y, int z=0, int w=0) {return (x+y+z+w); } int main() { cout&lt;&lt;sum(10,15)&lt;&lt;endl; cout&lt;&lt;sum(10,15,25,30)&lt;&lt;endl; }</pre>	2

  
19/10/23  
(YOGESH KUMARI)

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**SET -B**

Q1.	Identify the valid or invalid identifier in C++. Give reason (i) protected (ii) shiv_5	2
Q2.	What will be the result of the following expression in C++: (i) 20>>2 (ii) (5%6)%4	2
Q3.	Write a while loop that have the same output in the following statement <code>for(number=1; number&lt;=10;number++)</code> <code>cout&lt;&lt;setw(3)&lt;&lt;number;</code>	2
Q4.	Write C++ statement for following task (i) Write a prototype of a function <i>func</i> that accepts two arguments – an integer and a float and return a double (ii) Define a constant PI with value 3.14	2
Q5.	Find the error in the following statement (i) <code>int mul(int a=10, int b);</code> (ii) <code>void add(int enum)</code>	2
Q6.	What do you mean by exception handling? Explain its mechanism.	2

  
19/10/23

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