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INSTITUTE OF COMPUTER APPLICATIONS & MANAGEMENT (BVICAM)
(Affiliated to Guru Gobind Singh Indraprastha University, Approved by AICTE, New Delhi)

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Course Code: MCA-103

Course Name: Programming in C

Class Test 1

Time: 1 Hour

Max Marks: 20

1. Write code to accomplish each of the following: (3 mark)
 - a) Read three integers from the keyboard and store them in the variables x, y and z.
 - b) Compute the square of the sum of the three integers contained in variables x, y and z, and assign the result to the variable result.
 - c) Print "The square is" followed by the value of the integer variable result.
2. Identify and correct the errors in each of the following statements: (4 mark)
 - a) `printf("The value is %d\n", &number);`
 - b) `scanf("%d%d", number1, number2);`
 - c) `if (c < 7);{printf("C is less than 7\n");}`
 - d) `if (c => 7) {printf("C is greater than or equal to 7\n");}`
3. Identify and correct the errors in each of the following: (3 mark)
 - a) `while (c <= 5) {product *= c; ++c;`
 - b) `scanf("%.4f", &value);`
 - c) `if (gender == 1) puts("Woman");`
`else; puts("Man");`
4. Sum the even integers between 1 and 99 using a for statement. (2 mark)
Assume the integer variables sum and count have been defined.
5. What will be the output of following program (1 mark)

```
#include <stdio.h>
main(){int x,y = 10; x = y * NULL; printf( "\ %d\n",x);}
```

1. Error 2. 0 3. 10 4. Garbage Value
6. Find the error in each of the following program segments and correct the error. (6 mark)
 - a) `#define SIZE 100;`
 - b) `SIZE = 10;`
 - c) Assume `int b[10] = { 0 }, i;`
`for (i = 0; i <= 10; ++i) {`
`b[i] = 1;}`
 - d) `#include <stdio.h>;`
 - e) Assume `int a[2][2] = { { 1, 2 }, { 3, 4 } };a[1, 1] = 5;`
 - f) `#define VALUE = 120`
7. The format identifier '%i' is also used for _____ data type? (1 mark)
 - a) char
 - b) int
 - c) float
 - d) double