

**BCA  
SEMESTER-1<sup>ST</sup>  
PROGRAMMING METHODOLOGY AND C PROGRAMMING  
BCA-103**

**[ PART-A : Objective ]**

**Choose the correct answer from the following :**

**1X20=20**

1. Which of the following special symbol allowed in a variable name?
- \*(asterisk)
  - | (pipeline)
  - (hyphen)
  - \_ (underscore)

2. Which of the following is not a logical operator?
- &
  - &&
  - ||
  - !

3. Which of the following are unary operator in C language
1. !      2. Sizeof      3. ~      4. &&
- 1,2
  - 1,3
  - 2,4
  - 1,2,3

4. The expression sizeof(int) refers to
- The largest number that can be stored in an int variable
  - The number of int variables declared in the current function
  - The number of bytes needed to store an int variable
  - The largest number of characters allowed in the name of an int variable

5. The size of a union is
- The sum of the sizes of the union's members
  - The size of the largest member of the union
  - Is determined at runtime
  - Depends on which member of the union is used

6. What is the output of this C code? (7 and 8 are entered)

```
#include <stdio.h>
void main()
{
    float x;
    int y;
    printf("enter two numbers \n", x);
    scanf("%f%f", &x, &y);
    printf("%f, %d", x, y);
}
```

- 7.000000, 7
- Run time error

- 7.000000, garbage or junk
- Varies

7. Which of the following library function is not case-sensitive?
- Toupper()
  - Tolower()
  - Isdigit()
  - All of these

8. What type of inputs are accepted by mathematical functions?
- Short
  - Int
  - Float
  - Double

9. What is the output of this C code?

```
#include <stdio.h>
void main()
{
    int a[2][3] = {1, 2, 3, 4, 5}, i, j;
    for (i = 0; i < 2; i++)
        for (j = 0; j < 3; j++)
            printf("%d", a[i][j]);
}
```

- 1 2 3 4 5 0
- 1 2 3 4 5 5
- 1 2 3 4 5 junk
- Run time error

10. C Language developed at \_\_\_\_\_?
- AT & T's Bell Laboratories of USA in 1972
  - AT & T's Bell Laboratories of USA in 1970
  - Sun Microsystems in 1973
  - Cambridge University in 1972

11. Standard ANSI C recognizes \_\_\_\_\_ number of keywords?
- 30
  - 32
  - 24
  - 36

12. A C variable cannot start with
- A number
  - A special symbol other than underscore
  - Both a and b
  - An alphabet

13. For 16-bit compiler allowable range for integer constants is \_\_\_\_\_?
- 3.4 e-38 to 3.4 e +38
  - 32767 to 32767
  - 32668 to 32667
  - 32768 to 32767