



G-3705

First Year B.C.A. (Sem. I) (CBCS) Examination

November / December – 2014

Paper-104 : Computer Programming & Programming Methodology (New)

Time : 3 Hours]

[Total Marks : 70

Instruction :

नीचे दशांशिक निशानों के उलटवटी पर अवश्य ध्यान दें। Fillup strictly the details of signs on your answer book.	Seat No. : <table border="1"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>					
Name of the Examination : First Year B.C.A. (Sem. I) (CBCS)	Student's Signature					
Name of the Subject : Paper-104 : Comp. Program. & Program. Methodology (New)						
Subject Code No. : 3 7 0 5 Section No. (1, 2, ...): Nil						

Q-1 Answer the followings in short (any seven)

14

1. What is the meaning of void main( )? Is it necessary to write void main( ) in every C program? Why?
2. What is symbolic constant?
3. If a = 5, then determine the value of m and a for the following expression  
 $m = 10 + ++ a;$
4. State the output produce by the following printf statements  
`printf (“%d %d ,%f”,10, 'A',1.23);`
5. Explain conditional operator.
6. What is difference between post and pre increment?
7. How can we use getchar( ) function to read multicharacter string?
8. What are benefits of drawing flowchart?
9. What is syntax error? Give an example
10. What do you mean by logical expression? Give example

Q-2

06

- (A) Write note on formatted output.
- (B) Explain structured programming with example

06

OR

- (B) Write a short note on storage classes.

Q-3 Attempt any two.

14

- (A) Explain conditional statement in detail.
- (B) What is looping? What is nested loop? Explain for loop with example.
- (C) Explain two dimensional array in detail with an example.

Q-4

- (A) Explain string functions in detail. 06  
(B) Explain types of operators available in C. Explain any two in detail 06  
**OR**  
(B) What is variable? What is difference between variable and constant? How can we declare and initialize variable.

Q-5 Do as directed

- (A) Draw a flowchart to generate Fibonacci series 06  
(B) Write a program in C to sort an array in ascending order. 06  
**OR**  
(B) Write a program in C to print a given number in reverse order.  
(C) Find out errors (if any), otherwise write output of the following code: 06

i) 

```
void main()
{
    int m=0;
    do
    {
        if (m > 10)
            continue;
        m=m+10;
    } while (m>50);
    printf("%d", m);
}
```

ii) 

```
void main()
{
    char string[ ] = "Hello World";
    int m ;
    for (m=0; string[m] != '\0' ;m++)
    {
        if (m % 2 == 0)
            printf("%c", string[m]);
    }
}
```