



K16U 2534

Reg. No. :

Name :

I Semester B.C.A. Degree (CCSS – Reg./Supple./Improv.)
Examination, November 2016
Core Course
1B01 BCA : PROGRAMMING IN C (2014 Admn. Onwards)

Time : 3 Hours

Total Marks : 40

SECTION – A

Answer all questions :

1. $a = a/n + 1$. The equivalent statement with shorthand operator is
2. Find the error in the programme

```
f(int a, int b)
{
int a;
a = 20; return a;
}
```
3. Which of the following is not a keyword in C language ?
 - a) void
 - b) volatile
 - c) sizeof
 - d) getchar
4. Name the command that is used to skip the rest of a loop and carry on from the top of the loop again.
5. Which one of the following will read a character from the keyboard and will store it in the variable c ?
 - a) `c =getc()`
 - b) `getc(&c)`
 - c) `c = getchar(stdin)`
 - d) `c = getchar`
6. A modulus operator cannot be with a long double. (True/False)

P.T.O.



7. FILE is of
a) int type b) char *type c) struct type d) none of the above
8. Which type of file cannot be opened using fopen() ?
a) .txt b) .bin c) .c d) none of these (8×.5=4)

SECTION – B

Write short notes on **any seven** :

9. Define an unsigned integer constant.
10. Explain increment and decrement operator with an example.
11. What is a header file ? What is its use ?
12. How do variables and symbolic names differ ?
13. How values of an array is passed to a function ?
14. How does structure differ from an array ?
15. What is the purpose of register storage class ? Give example.
16. Define pointer. How a pointer variable is declared ?
17. Define a file. What is the significance of EOF ?
18. What are command line arguments ? (7×2=14)

SECTION – C

Answer **any four** of the following :

19. Explain the syntax of for loop with example.
20. What is the difference between branching and looping statement in C ?
21. Write a recursive function program to find the factorial of a number.
22. Write a program to read and write alphabets in reverse case.
23. Write a program to find the biggest element in an array of elements using function.
24. What is the difference between call by value and call by reference ? (4×3=12)



SECTION – D

Write an essay on **any two** of the following :

25. What are operators ? Explain different types of operators with suitable example.
 26. Write a program which will read a text and count all occurrences of a particular word.
 27. Compare the following in terms of their functions with examples.
 - a) while and do-while
 - b) break and go to
 - c) continue and go to
 28. Define a structure called **cricket** that will describe the following information. Player name, team name, batting average. Using **cricket** declare an array **player** with 50 elements and write a program to read the information about all the 50 players and print a team-wise list containing names of players with their batting average. (2×5=10)
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