



M 5442

Reg. No. : .....

Name : .....

I Semester B.A./B.Sc./B.Com./B.B.A./B.B.A.T.T.M./B.B.M./B.C.A./B.S.W./  
B.A. Afsal-UI-Ulama Degree (CCSS – Regular/Supple./Improvement)

Examination, November 2013

BCA – CORE COURSE

1B01 BCA : Programming in C

Time: 3 Hours

Max. Weightage : 21

**Instructions :** Section **A** – Answer **all** questions. Weightage for a bunch of **four** questions is **one**.

Section **B** – Answer **any five**. Weightage **1** each.

Section **C** – Answer **any five**. Weightage **2** each.

Section **D** – Answer **any one**. Weightage **4**.

#### SECTION – A

Answer **all** questions. Weightage for a bunch of **four** questions is **1**.

1. A C program is a collection of \_\_\_\_\_
2. The range of values that can be represented by a variable of type char is \_\_\_\_\_
3. The function scanf() reads
  - a) a single character
  - b) only strings
  - c) any number
  - d) any possible variable types
4. Which among the following is an unconditional control structure ?
  - a) do-while
  - b) goto
  - c) if-else
  - d) for
5. Which header file is essential for using strcmp() function ?
  - a) string.h
  - b) strings.h
  - c) text.h
  - d) strcmp.h

P.T.O.



6. Variables that are both alive and active throughout the entire program are known as \_\_\_\_\_
7. The \_\_\_\_\_ function returns the current position of the file pointer.
8. The \_\_\_\_\_ operator returns the value of the variable to which its operand points. (2×1=2)

### SECTION – B

Answer **any 5** questions. Weightage **1 each**.

9. What is a variable ?
10. List arithmetic operators and give their precedence.
11. Explain the uses of break statement.
12. Define array.
13. What is a library function ?
14. What is meant by scale factor ?
15. Give the syntax for opening file.
16. What is a preprocessor ? (5×1=5)

### SECTION – C

Answer **any 5** questions. Weightage **2 each** :

17. Explain relational and logical operators in C.
18. With suitable example, explain the switch statement.
19. Differentiate between local and global variables with example.



20. Write a program to find the largest and smallest numbers from a list of n numbers.
21. Describe the two ways of passing parameters to functions with examples.
22. Explain any four string functions with suitable examples.
23. Write a short note on dynamic memory allocation.
24. Describe three different approaches that can be used to pass structures as function arguments. (5×2=10)

#### SECTION – D

Answer **any one** question. Weightage 4.

25. Write a program for searching a name in a list of n names.
  26. With suitable examples, explain various looping statements in C. (1×4=4)
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