

Roll No.

97665

B.C.A. 2nd Semester

Examination-May, 2016

C Programming

Paper-BCA-106

Time : 3 hours

Max. Marks : 80

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

Note : Attempt five questions in all. Question

No. 1 is **compulsory** and attempt **four** more questions by selecting **one** question from each unit. All questions carry equal marks.

97665-4350-(P-7)(Q-9)(16)

(1)

[Turn Over

1. (a) What do you mean by operator precedence?

(b) What is conditional operator?

(c) What is goto statement? Why is it avoided?

(d) What is nested loop?

(e) What is the difference between formatted and unformatted I/O?

(f) Define local and global variable.

(g) How one dimensional array is initialized?

(h) What is a storage class?

Unit-I

2. (a) Why a C language is named so ?

Discuss the origin and provide the structure of C program.

(b) What is the purpose of printf() and scanf() functions ? How are they used in C program ? Explain with the help of example.

3. (a) What is a constant? Explain its types with the help of example.

97665-4350-(P-7)(Q-9)(16) (2)

97665-4350-(P-7)(Q-9)(16) (3)

[Turn Over

- (b) What are relational and logical operators? With what type of operands can they be used?

Unit-II

4. (a) Explain the importance of switch case statement. In which situation use of switch case statement is desirable? Also give its limitations.
- (b) What is the purpose of 'for' loop in C language? How is it used? Discuss with a program to find factorial of a given number.

97685-4350-(P-7)(Q-9)(16) (4)

5. (a) Write a program in C language to check if an entered number is prime or not.
- (b) What is the purpose of break and continue statements? Within which control statements both can be included? Explain with the help of example.

Unit-III

6. (a) Discuss the use of following functions with the help of example :
- (i) Getch()
 - (ii) getche()
 - (iii) gets()
 - (iv) puts()

97685-4350-(P-7)(Q-9)(16) (5)

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97665-4350-(P-7)(Q-9)(16) (2)

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[Turn Over