

Roll No.....

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Paper ID [A0204]

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BCA (104) (S05 / Old) (Sem. - 1st)**PROGRAMMING IN C****Time : 03 Hours****Maximum Marks : 75****Instruction to Candidates:**

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Nine** questions from Section - B.

Section - A**Q1)****(15 × 2 = 30)**

- a) What are self-referential structures?
- b) What are 2 searching techniques?
- c) What are user defined data types?
- d) What are the applications of C programming?
- e) What are pointers?
- f) What do you mean by identifier and keywords.
- g) What are library functions?
- h) What is the purpose of gets & puts functions?
- i) What is the difference between pre increment and post increment operators?
- j) What are different data types in C?
- k) What are nested loops?
- l) What is the difference between while and do-while?
- m) Can we pass function to other functions. If yes how.
- n) How can we pass pointers to a function?
- o) What are static variables?

P.T.O.

Section - B**(9 × 5 = 45)**

- Q2)** 'C is a middle level language', comment on this statement.
- Q3)** Explain various C operators.
- Q4)** Describe various control statement. Also write their syntax.
- Q5)** Explain recursion with the help of a C program.
- Q6)** What are different storage classes in C?
- Q7)** How can you pass parameters to a function?
- Q8)** What are different input and output functions in C?
- Q9)** What is interactive programming?
- Q10)** What is difference between structure and union?
- Q11)** How can we create a data file in C?
- Q12)** What are different sorting methods? Explain any one with the help of a C program.
- Q13)** Write a C program for Binary search.

