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**Question Paper Code: 50207**

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2017

First Semester

Civil Engineering

15UCS107 - COMPUTER PROGRAMMING

(Common to ALL branches)

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

- C language was developed by
  - Dennis Richie
  - Martin Richards
  - Bill Gates
  - Ken Thompson
- A character variable can store x characters at a time
  - 1 character
  - 8 character
  - 256 character
  - None of these
- Which of the following special symbol allowed in a variable name?
  - \* (asterisk)
  - | (pipeline)
  - (hyphen)
  - \_ (underscore)
- Which of the following is the correct usage of conditional operators used in C?
  - $a > b ? c = 30 : c = 40;$
  - $a > b ? c = 30;$
  - $\max = a > b ? a > c ? a : c : b > c ? b : c$
  - $\text{return } (a > b) ? (a : b)$
- Which operator is used to continue the definition of macro in the next line?
  - #
  - ##
  - \$
  - /



(b) Categorize different types of operators in C with the operator precedence chart. Give example programs. (16)

18. (a) Write a C program to search for element using binary search. (16)

Or

(b) Write a menu driven program which has following options: (i) Factorial of a number (ii) Prime or not (iii) Odd or even (iv) Exit. (16)

19. (a) Explain about the different parameter passing method with examples. (16)

Or

(b) Discuss any four string handling functions in C. (16)

20. (a) Explain briefly the preprocessor directives. (16)

Or

(b) Write notes on storage classes in C with example. (16)

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