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**Question Paper Code: 31206**

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2018

First Semester

Civil Engineering

01UCS106 - COMPUTER PROGRAMMING

(Common to ALL Branches)

(Regulation 2013)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. What are super computers?
2. Define Pseudo code.
3. What are the types of control structures in C?
4. Write a C program to print numbers from 1 to 100 using for loop.
5. What is an array?
6. How strings are represented in C language?
7. What are pre-defined functions? Give example.
8. Define pointer in C.
9. Define structure.
10. What is the use of Union Function?

PART - B (5 x 16 = 80 Marks)

11. (a) Explain the generation of Digital computers in detail. (16)

Or

(b) Explain the basic organization of a computer. (16)

12. (a) Explain the structure of a C program. (16)

Or

(b) Explain the decision making and branching statements in detail with example programs. (16)

13. (a) (i) Write a C program to perform matrix multiplication. (10)

(ii) Write a C program to perform bubble sort. (6)

Or

(b) Explain in detail about the string operations using built-in string functions in detail. (16)

14. (a) (i) Discuss about the classification of functions depending upon their input and output parameters. (12)

(ii) What are the applications of recursive function? (4)

Or

(b) Explain function prototypes in detail with example program. (16)

15. (a) What are pre-processor directives? Explain any four directives with example. (16)

Or

(b) What are the storage classes in C? Explain them in detail with example. (16)