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Question Paper Code: 31016

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

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 is an algorithm?
2. What are the advantages and disadvantages of flow charts?
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. What is a string.?
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 increment and decrement operators and conditional operators in C. (16)

13. (a) Explain some string handling functions with example C programs. (16)

Or

(b) Explain bubble sort with an example. (16)

14. (a) Explain predefined function and user-defined function with an example. (16)

Or

(b) Explain call by value and call by reference. (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)