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Question Paper Code: 31206

B.E. / B.Tech. DEGREE EXAMINATION, AUGUST 2021

First Semester

Civil Engineering

01UCS106 - COMPUTER PROGRAMMING

(Common to ALL Branches)

(Regulation 2013)

Duration: 1:45 hour

Maximum: 50 Marks

PART A - (10 x 2 = 20 Marks)

(Answer any ten of the following questions)

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?
11. What are the components of the computer systems?
12. Convert binary number 100110 into its octal equivalent.

13. What are keywords in C?
14. What is the difference between '=' and '==' operator?
15. What are the main elements of an array declaration?

PART – B (3 x 10= 30 Marks)

(Answer any three of the following questions)

16. Explain the generation of Digital computers in detail. (10)
17. Explain the structure of a C program. (10)
18. Write a C program to perform matrix multiplication. (10)
19. Discuss about the classification of functions depending upon their input and output parameters. (10)
20. Write a C program to read n employee details and calculate salary details for each employee and display it. (10)