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Question Paper Code: 41206

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

First Semester

Civil Engineering

14UCS106 - COMPUTER PROGRAMMING

(Common to ALL Branches)

(Regulation 2014)

Duration: 1:45 hour

Maximum: 50 Marks

PART A - (10 x 2 = 20 Marks)

(Answer any ten of the following questions)

1. Define: Algorithm and Pseudo code.
2. What is meant by Enumerated data type?
3. Give any two functions related to string handling.
4. Distinguish between Call by value and Call by reference.
5. What is a pointer? What its uses?
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 various phases involved in problem solving. (10)
17. Describe the different types of operators available in C. (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 for library management using structures and unions (10)