Reg. No. : | | | | | | | | | | |

Question Paper Code: 31106

B.E. / B.Tech. DEGREE EXAMINATION, NOVEMBER 2015

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. Define algorithm.
2. Mention the time period in which I, II and III generation computers prevailed and their key players in each of these 3 generations.
3. What are various types of C operators?
4. Write short notes on decision making and branching statements.
5. Define array.
6. Name any two library functions used for string handling.
7. What is the need for functions?
8. What are the uses of pointers?
9. Write any two pre-processor directives in C.
10. Differentiate between structure and union.

PART - B (5 x 16 = 80 Marks)

11. (a) Write in detail about the evolution and the various generations of computers. (16)

Or

(b) Explain the basic computer organization using a neat diagram. (16)

12. (a) Write about the need and types of branching statements in C language and discuss with examples. (16)

Or

(b) (i) Explain the different decision making statements with suitable examples. (10)

(ii) Explain in detail about unformatted Input / Output statements. (6)

13. (a) (i) Write a C program to reverse a string. (8)

(ii) Write a C program to print the Fibonacci series of a given number. (8)

Or

(b) Write a C program to print the sum of two matrices. (16)

14. (a) Explain the following with suitable examples

(i) Function declaration (8)

(ii) Call by reference, call by value (8)

Or

(b) (i) Explain function with and without arguments with examples for each. (10)

(ii) What is recursion? Give an example. (6)

15. (a) (i) What is storage class? List and explain with example. (8)

(ii) Define and declare a structure to store date, which including day, month and year. (8)

Or

(b) Write a C program to create a mark sheet for students using structure. (16)

———————