

Reg. No. :

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Question Paper Code: 51206

B.E. / B.Tech. DEGREE EXAMINATION, DEC 2020

First Semester

Civil Engineering

01UCS106 - COMPUTER PROGRAMMING

(Common to ALL Branches)

(Regulation 2013)

Duration: One hour

Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

1. A computer assisted method for the recording and analyzing of existing or hypothetical systems is
 - (a) Data transmission
 - (b) Data flow
 - (c) Data capture
 - (d) Data processing
2. What difference does the 5th generation computer have from other generation computers?
 - (a) Technological advancement
 - (b) Scientific code
 - (c) Object Oriented Programming
 - (d) All the Above
3. Which of the following are token in C?
 - (a) Keywords
 - (b) Variables
 - (c) Constants
 - (d) All the Above
4. The case keyword is followed by
 - (a) float values
 - (b) integer values
 - (c) character values
 - (d) both b and c
5. If an array is used as function argument, the array is passed as
 - (a) By value
 - (b) By reference
 - (c) By name
 - (d) The array cannot be passed as function argument

6. Which of the following is not a built in functions in C?
(a) getchar (b) putchar (c) gets (d) get_ select_str
7. malloc () function used in dynamic allocation is available in which header file?
(a) stdio.h (b) stdlib.h (c) conio.h (d) mem.h
8. What is (void*)0?
(a) Null pointer (b) Void pointer (c) New pointer (d) All the Above
9. Given the statement, maruti.engine.bolts=25, which of the following is true?
(a) Structure bolts is nested within structure engine
(b) Structure engine is nested within structure maruti
(c) Structure maruti is nested within structure engine
(d) Structure bolts is nested within structure bolts
10. calloc () takes_____ number of arguments.
(a) 1 (b) 2 (c) 3 (d) 4

PART – B (3 x 8= 24 Marks)

(Answer any three of the following questions)

11. Explain the generation of Digital computers in detail. (8)
12. Explain the structure of a C program. (8)
13. Write a C program to perform matrix multiplication. (8)
14. Discuss about the classification of functions depending upon their input and output parameters. (8)
15. Write a C program to read n employee details and calculate salary details for each employee and display it. (8)