Question Paper Code: 51207

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

First Semester

Computer Science Engineering

15UCS107 - COMPUTER PROGRAMMING

(Regulation 2015)

Duration: 1:15hrs   Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

1. A CPU contains   CO1-R

    (a) a card reader and a printing device

    (b) an analytical engine and a control unit

    (c) a control unit and an arithmetic logic unit

    (d) an arithmetic logic unit and a card reader

2. Which of the following is not an advantage of a flowchart?   CO1-R

    (a) Better Communication   (b) Efficient Coding

    (c) Systematic testing   (d) Improper documentation

3. What is the first stage of the compilation process?   CO2-R

    (a) Pre-Processing   (b) Post Processing   (c) Compilation   (d) Linking

4. Out of fgets() and gets() which function gets input from the user?   CO2-R

    (a) gets()   (b) fgets()   (c) both (a) and (b)   (d) None

5. What will be the output of following program ?   CO3-R

    ```
    #include <stdio.h>
    void main()
    {
      if(!printf(""))
        printf("Okkk");
      else
        printf("Hiii");
    }
    ```
    (a) Okkk   (b) Hiii   (c) Error   (d) None

6. What is the output of the given code? CO3-R

counter = 1
while counter < 11
 write counter
  counter = counter + 1
end

(a) Prints the number from 1 to 10   (b) Prints the number from 1 to 11

(c) Prints the number from 2 to 10   (d) Infinite loop

7. If the two strings are identical, then strcmp() function returns CO4-R

(a) -1   (b) 1   (c) 0   (d) Yes

8. In C, static storage class cannot be used with: CO4-R

(a) Global variable

(b) Function parameter

(c) Function name

(d) Local variable

9. Which of the following does not initialize ptr to null (assuming variable declaration of a as int a=0)? CO5-R

(a) int *ptr = &a;

(b) int *ptr = &a – &a;

(c) int *ptr = a – a;

(d) All of the mentioned

10. Which of the following are themselves a collection of different data types? CO5-R

(a) String   (b) Structures   (c) Char   (d) Array

PART – B (3 x 8= 24 Marks)

(Answer any three of the following questions)

11. Draw a block diagram to illustrate the basic organization of Computer system and explain the function of various units.   CO1- U   (8)

12. Explain in detail about Operators in C with suitable example.   CO2- U   (8)

13. Explain about the various decision making statements in 'C' language.   CO3- U   (8)

14. Discuss the standard string functions with example to support each type.   CO4-U   (8)

15. Describe pointers? When and why they are used? Explain in detail with sample programs.   CO5-U   (8)

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