MBO-003-1021002　Seat No. _____

P. G. D. C. A. (Sem. I) (CBCS) Examination

April / May - 2018

CS - 02 : Problem Solving Methodologis & Programming In C

Faculty Code : 003
Subject Code : 1021002

Time : $2\frac{1}{2}$ Hours]　　　　　　　　　　　[Total Marks : **70**

1　(A)　Objective type questions :　　　　　　　　　　4

　　　(1)　Who has developed C language?

　　　(2)　How many types of preprocessor in C ?

　　　(3)　How many keywords in C language ?

　　　(4)　Program instructions performed one after another
　　　　　 is called _____

　　(B)　Answer in brief : (Any **1** out of 2)　　　　　2

　　　(1)　What is Dry Run?

　　　(2)　Difference between traditional and modern c.

　　(C)　Answer in brief : (Any **1** out of 2)　　　　　3

　　　(1)　Explain type casting.

　　　(2)　Explain flowchart.

　　(D)　Write a note on : (Any **1** out of 2)　　　　　5

　　　(1)　Explain Data types.

　　　(2)　Explain operators.

2 (A) Objective type questions : 4

    (1) Which loop is terminated with semi colon?

    (2) The for loop structure is a _____ loop.

    (3) The keyword _____ is used to terminat the loop.

    (4) Can we use a switch statement to switch on strings? (True/False)

  (B) Answer in brief : (Any **1** out of 2) 2

    (1) Explain Break and continue statement.

    (2) Explain Goto statement.

  (C) Answer in brief : (Any **1** out of 2) 3

    (1) Explain switch statement.

    (2) Explain nesting of loop.

  (D) Write a note on : (Any **1** out of 2) 5

    (1) Explain if statement.

    (2) Explain looping statement.

3 (A) Objective type questions : 4

    (1) Which of the storage class may help in faster execution?

    (2) Which function convert negative no to positive no?

    (3) How many value can return by function?

    (4) Which function is used to read a string with white space?

  (B) Answer in brief : (Any **1** out of 2) 2

    (1) Explain printf( ) and scanf( )

    (2) What is recursion?

(C) Answer in brief : (Any **1** out of 2) **3**

    (1) Explain memory allocation function

    (2) Explain strcmp ( ), toupper ( ) and ceil ( )

(D) Write a note on : (Any **1** out of 2) **5**

    (1) Explain types of user define function

    (2) Explain storage classes.

4 (A) Objective type questions : **4**

    (1) The size of the array can be defined by _____.

    (2) To access member of structure variable which operator is used?

    (3) Arrays are always passed as arguments to a function by _____.

    (4) Which keyword is used to declare union?

(B) Answer in brief : (Any **1** out of 2) **2**

    (1) Explain nested structure.

    (2) Explain Array with structure.

(C) Answer in brief : (Any **1** out of 2) **3**

    (1) Explain Udf with structure.

    (2) Difference between Structure and Union.

(D) Write a note on : (Any **1** out of 2) **5**

    (1) What is array? Explain its types

    (2) Explain structure with example.

5 (A) Objective type questions : **4**

    (1) To set a file position at the beginning which function is used?

    (2) The operator used to get value at address stored in a pointer variable is _____.

(3) If there is any error while opening a file, fopen( ) will return?

(4) A file is properly opened or not, for that which function is used?

(B) Answer in brief : (Any **1** out of 2)   **2**

(1) What is pointer?

(2) What is command line argument?

(C) Answer in brief : (Any **1** out of 2)   **3**

(1) Explain Pointer to Structure.

(2) Explain fseek ( ), rewind ( ) and ftell ( ).

(D) Write a note on : (Any **1** out of 2)   **5**

(1) Explain Pointer to Pointer with example

(2) Explain I/O operation.

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