MODEL PAPER – FORMATIVE ASSESSMENT

BOARD DIPLOMA EXAMINATION,

(C-23)DEEE THIRD SEMESTER EXAMINATIONEE-305 : PROGRAMMING IN C

Time: 90 Minutes Total Marks: 40

PART-A (1 x 4) + (4 x 3) = 16

Instructions:

i. Answer all five questions.

ii. First question carries four marks and remaining each question carries three marks.

iii. Answers should be brief and straight to the point and shall not exceed five simplesentences

1. a) Keyword for Character data type in C_____.

   (b) Logical AND operation is noted by_.

   (c) The instruction a += 2; represents_____.

   (d) An array contains 10 elements. The index of last element is 10 : True / False **(CO1)**

1. List any six data types supported by C. **(CO1)**
2. State the importance of conditional expressions in a C program. **(CO2)**
3. List the different iterative loops. **(CO2)**
4. Define string **(CO3)**

PART-B 3 X 8 = 24

Instructions:

i. Answer all three questions.

ii. Each question carries eight marks.

iii. The answers should be comprehensive and the criteria for valuation are the contentbut not the length of the answer.

5. (a) Explain input and output functions printf and scanf **(CO1)**

   (OR)

   (b) Explain the assignment statement, increment and decrement operators in C programming. (CO1)

6. (a) Explain the SWITCH statement with one example. **(CO2)**

   (OR)

   (b) Explain about for loop with one example. **(CO2)**

7. (a) Write a C program to find the biggest number in a given array of numbers. **(CO3)**

   (OR)

   (b) Explain about string handling functions in C. **(CO3)**

MODEL PAPER – FORMATIVE

ASSESSMENT-2C-23-EE-305

BOARD DIPLOMA EXAMINATION, (C-23)

DEEE – THIRD SEMESTER EXAMINATIONEE-305 : PROGRAMMING IN C

Time: 90 Minutes | Total Marks: 40

PART-A (1 x 4) + (4 x 3) = 16

Instructions:

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iii. Answers should be brief and straight to the point and shall not exceed five simplesentences

1. (a) A function calling itself is called as recursion : True / False. **(CO4)**

(b) Variables declared with in the function are called_____. **(CO4)**

(c) The operator used to represent pointer variable is _____ (CO5)

(d) The keyword used to represent STRUCTURE is ___

2. Differentiate local and external variables **(CO4)**

3. List the four storage classes supported by C. **(CO4)**

4. Define Structure and give an example to it. **(CO5)**

5. List any six conditional preprocessor directives available in C. **(CO5)**

PART-B 3 X 8 = 24

Instructions:

i. Answer all three questions.

ii. Each question carries eight marks.

iii. The answers should be comprehensive and the criteria for valuation are the content but not the length of the answer.

6. (a) Discuss the importance of function prototypes in C.

(CO4)

(OR)

(b) Define function and explain the importance of user defined functions in C. **(CO4)**

7. (a) Explain about initialization of structures and accessing members of a structure. **(CO5)**

(OR)

(b) Explain how a pointer can be used to realize the effect of parameter passing by reference in C, with an example. **(CO5)**

8. (a) Define Union and illustrate the use of Unions in C programming. **(CO5)**

(OR)

(b) Write a C program to handle the student records using structures. **(CO5)**

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MODEL PAPER – SUMMATIVE EXAMINATION

C-23-EE-305

BOARD DIPLOMA EXAMINATION, (C-23)

DEEE - THIRD SEMESTER EXAMINATIONS

EE-305 : PROGRAMMING IN C

Time: 3 hours Total Marks: 80

PART-A 10 X 3 = 30

Instructions:

i. Answer all questions.

ii. Each question carries three marks.

iii. Answers should be brief and straight to the point and shall not exceed five simple sentences

1. Define the terms identifier and keywords.. (CO1)
2. Give the syntax and purpose of printf() statement.. (CO1)
3. State the importance of conditional expressions in a C program. (CO2)
4. Differentiate 'break' and 'continue' statements. (CO2)
5. Define Array and how do access the elements of it (CO3)
6. List any four string handling functions of C. (CO3)
7. State the need of User Defined Function in programming (CO4)
8. List the four storage classes supported by C. (CO4)
9. Define Structure and give an example to it. (CO5)
10. State the importance of #include directive. (CO5)

PART-B 5 X 10 = 50

Instructions:

i. Answer any five questions.
ii. Each question carries ten marks.
iii. The answers should be comprehensive and the criteria for valuation are the content but not the length of the answer.

11. (a) Explain about increment and decrement operators. (CO1)

(b) Write a C program to find the area of the triangle when three sides are given. (CO1)

12. List various conditional statements and explain if - else statement. (C02)
13. Explain about SWITCH statement and write a simple program using SWITCH statement(CO2)
14. (a) Explain how to initialize 2-D arrays. (C03)

(b) Write a C program to add 2X2 matrices. (CO3)

15. Explain various string handling functions in C (C03)
16. Define function . Explain about function prototypes in C programming . (CO4)
17. Explain structure declaration, initialization and accessing members with an example. (CO5)
18. Illustrate with example how pointer can be used to realize the effect of parameter passing by reference. (CO5)