4445

4445

BOARD DIPLOMA EXAMINATION, (C-14)
OCTOBER/NOVEMBER-2018
DEEE-FOURTH SEMESTER EXAMINATION

PROGRAMMING IN 'C'

Time: 3 Hours]   [Total Marks: 80

_____

PART-A

3X10=30

Instructions   :   1. Answer **All** questions.

2. Each question carries **Three** marks.

3. Answer should be brief and straight to the point and shall not exceed

five simple sentences.

1. List out data types in 'C'.

2. Explain briefly the following input/output functions

(a) printf ()   (b) scanf ()

3. Define Switch Statement? Write the Syntax of Switch Statement?

4. Write the syntax of the following loop constructs?

(a) For loop   (b) While loop.

5. What is an Array? How to initialize 1-dimensional integer array?

6. Write any three String Handling functions with syntax?

7. Write any three differences between Static Storage Class and Auto Storage Class?

8. Define function? Write the syntax to declare a function?

9. Define Pointer? Write the statement(s) to initialize a integer pointer?

10. Define Structure? Write the Syntax to declare a Structure?

PART-B

10X5=50

Instructions : 1. Answer any **Five** questions.

2. Each question carries **ten** marks.

3. Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer

11. (a) Explain logical and relational operators in C language with examples.

(b) Illustrate with example how to access elements of 1-dimensional character array with pointer variable.

12. (a) Differentiate between break and continue statements with suitable examples.

(b) Write a C-program to find whether the given number is palindrome or not.

13. (a) Explain null statement and comma operator with examples.

(b) Write a C program to print Prime numbers between 1 to 100.

14. (a) Explain how String is different from character array with example.

(b) write a C program to copy one string into another string without using string.

15. (a) Write a C program for subtraction of two matrices.

(b) Explain how to initialize 2-Dimensional integer arrays with examples.

16. (a) Differentiate between local and external variables.

(b) Write a C program to find Sum of two numbers using user defined function, where the function should return the sum to main function.

17. (a) Explain what is the use of user defined functions?

(b) What are the differences between register and automatic storage class.

18. (a) What is a string? Explain how to initialize a string with example.

(b) Explain how to pass individual members of a structure to function with example.

****