4439

BOARD DIPLOMA EXAMINATION, (C-14)
OCTOBER/NOVEMBER-2018
DECE – 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 the five arithmetic operators.

2. What are constants? List three types of constants.

3. What is continue statement?

4. What are unconditional control statements?

5. Define an array and a string

6. List any five string handling functions.

7. Write about recursive function.

8. What is a pointer? How to declare a pointer in C?

9. Define structure and union

10. List any three conditional preprocessor directives.

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. Explain scanf( ) and printf ( ) functions.

12. Explain about syntax of 'if' statement and 'if-else' statement with examples.

13. Write a program in C that calculates sum of the first 100 natural numbers using 'while' loop statement.

14. Explain about the declaration statement of 1-D and 2-D array with an example.

15. Explain about gets ( ) and puts ( ) functions with example.

16. (a) Write the advantages of functions in C-language.

(b) Explain various types of user defined functions.

17. Explain about pointer variable declarations and initialization.

18. (a) Distinguish between an array and structure.

(b) Explain the accessing of members of a structure.

****