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C14-EC–406

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BOARD DIPLOMA EXAMINATION, (C–14)
MARCH/APRIL—2018
DECE–FOURTH SEMESTER EXAMINATION

PROGRAMMING IN 'C'

Time : 3 hours] [*Total Marks* : 80

PART—A 3×10=30

Instructions : (1) Answer **all** questions.
(2) Each question carries **three** marks.
(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. What are primary data types in C?

2. Differentiate between pre-increment and post-increment operators.

3. List the three types of iterative statements supported by C.

4. Write a simple program based on if-else statement.

5. Define string.

6. List three functions used for reading strings.

7. What is the need of function?

8. Differentiate between local and global variables.

9. What is the use of union?

10. Define a structure.

PART—B

10×5=50

Instructions : (1) Answer *any* **five** questions.
(2) Each question carries **ten** marks.
(3) Answers should be comprehensive and the criteria for valuation are the content but not the length of the answer.

11. *(a)* Explain printf( ) and scanf( ) functions.
(b) Explain any three unconditional preprocessor directives.

12.

12. Explain the switch statement with syntax and example.

13. Write a C program to find squares of given N numbers using do-while loop.

14. Write a C program to find largest elements in an array.

15. Write the operations of getchar( ), getch( ),getche( ), and putchar( ) functions.

16. What is a pointer? Explain how the pointer variable declared and initialized with an example.

17. Explain the recursion with an example program. List the advantages and disadvantages recursion.

18. Write about array of structures. Explain with example.

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