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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. List C tokens.

2. What is an identifier?

3. What is the purpose of 'break' statement in C?

4. Write the syntax or general form of 'for-loop' statement.

5. What is the difference between simple variable and an array?

6. List three functions used for reading strings.

7. What are local variables and global variables?

8. What are pointer operators?

9. Define structure.

10. Write the syntax of Union.

PART—B

10×5=50

Instructions : (1) Answer *any* **five** questions.

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

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

11. Explain increment and decrement operators with examples. 5+5

12. Write a C program to generate prime numbers up to 50.

13. Explain 'switch case' statement with example.

14. Define one-dimensional array. Explain one-dimensional array with example. 2+8

15. Write about getchar( ), getch( ), putchar( ) and putch( ) functions with examples. 2½×4=10

16. Write about the storage classes supported by C.

17. Write the advantages of pointers in C language.

18. Explain the following preprocessor directives : 5×2=10

(a) #include

(b) #define

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