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BOARD DIPLOMA EXAMINATION, (C–14)
MARCH/APRIL—2016
DEEE—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. Define constant, variable and keyword.

2. List types of type conversion techniques.

3. Write the importance of conditional expression.

4. Write about null statements.

5. Define 1D and 2D arrays.

6. List various string handling functions.

7. Define a function.

8. Write the importance of function proto types in programming.

9. Write the uses of a union.

10. Define a structure.

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. *(a)* Explain the basic structure of C program. 5

(b) Explain how to declare and assign a pointer. 5

12. Explain the switch statement with system.

13. Explain about while loop with example.

14. Explain how to initialize and access 1D and 2D arrays.

15. *(a)* Explain how to declare and initialize string variables. 5

(b) Write a C program to check whether the given string is palindrome. 5

16. Explain the return values and their types.

17. Explain about automatic and static variables.

18. *(a)* Explain how to access members of a structure. 5

(b) Explain how to find the size of structure. 5

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