C14–AEI–**404**

4416

BOARD DIPLOMA EXAMINATION, (C–14)

OCT/NOV—2016

DAEIE—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 any three logical operators.

2. Write the syntax for printf() statement.

3. Write switch statement.

4. Write null statement and comma operator.

5. List three functions of writing strings.

6. Define one-dimensional array.

7. List any three storage classes.

8. Define recursion.

9. State the accessing of members of structure.

10. Define a 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. *(a)* Explain the increment and decrement operators. 4

(b) Give the operator precedence for logical and arithmetic operators. 6

12. Write a program based on conditional statements.

13. Write a program to find the sum of 10 numbers using 'for' loop.

14. Write a program to find the largest of 10 numbers using one-dimensional array.

15. Explain the operation of character input functions.

16. Differentiate between address and dereferencing operators.

17. Explain the relationship between arrays and pointers using an example.

18. Explain the processor directives.

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