



C14-AEI-404

4416

**BOARD DIPLOMA EXAMINATION, (C-14)
MARCH/APRIL—2018
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. What is a keyword? List at least four keywords.
2. What is the usage of printf() function with an example?
3. Give the syntax of if-else statement with an example.
4. Write any three differences between break and continue.
5. What is one-dimensional array?
6. List the storage classes supported by C.
7. Define the following:
(a) getchar()
(b) putchar()
8. List three advantages of using pointers.
9. List any three preprocessor directives.
10. Define structure with an example.

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

11. What are the logical operators in C? Explain them with their procedures.
12. Give the syntax of switch case statement and write a C program that accepts an integer number and prints it in words using switch (e.g, number 7 displayed as SEVEN).
13. Write a C program to check whether a number is a prime number or not.
14. Write a C program to add two matrices A and B, and store the result in matrix C and display it.
15. Explain any five string manipulation functions with examples.
16. Write about the usage of functions with arguments that return no values.
17. Explain in detail about passing by reference with a sample program.
18. Define structure and union. Explain the differences between structure and union.

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