



C14-AEI-404

4416

**BOARD DIPLOMA EXAMINATION, (C-14)**  
**OCT/NOV—2018**  
**DAEIE—FOURTH SEMESTER EXAMINATION**  
**PROGRAMMING IN 'C'**

*Time : 3 Hours]*

*[Total Marks : 80*

**PART—A**

3×10=30

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

1. Define print f( ) function.
2. List different data types in C.
3. List any three types decision making statements.
4. Differentiate between break and continue statements.
5. List three functions used for reading strings.
6. Define two-dimensional array.
7. State the use of return statement.
8. State the application of external declaration.
9. Define a structure.
10. List any three conditional preprocessor directives.

**PART—B**

10×5=50

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**Instruction :** (1) Answer any **five** questions and each question carries **ten** marks.  
(2) Answers should be comprehensive and the criteria for valuation is the content but not the length of the answers.

11. (a) Evaluate the logical expression  $((a < b) \parallel (b > c)) \&\&((a > b) \parallel (a > c))$ . 6  
(b) List any four relational operators. 4
12. Write a program to find the largest of given three numbers using if else statement. 10
13. Explain while, do-while and for loops. 10
14. Write a program based on string manipulation functions. 10
15. Write the operation of getchar ( ), getch ( ), getche ( ) and Puchar ( ) functions. 10
16. Define a function. Explain passing parameters to the function. 10
17. Define a pointer. Explain declaration, assignment and initialization of pointer. 10
18. Define union. Describe the nested concept of structure. 10

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