

6416
BOARD DIPLOMA EXAMINATION
MARCH/APRIL - 2019
 * **DIPLOMA IN APPLIED ELECTRONICS AND INSTRUMENTATION**
PROGRAMMING IN C
FOURTH SEMESTER EXAMINATION

Time: 3 Hours

Total Marks: 80

PART - A (3m x 10 = 30m)

Note 1: Answer all questions and each question carries 3 marks

2: Answers should be brief and straight to the point and shall not exceed 5 simple sentences

1. Evaluate the following expression
 $4*3*5+4*3-18$
2. Define low level language
3. Compare between while and do.. while loop
4. Compare between for and do.. while loop
5. State accessing the elements of an array
6. Write about strrev()
7. State the need of user defined functions
8. Define function prototype
9. Write the syntax of structure variable
10. Define pointer

PART - B (10m x 5 = 50m)

Note 1: Answer any five questions and each carries 10 marks

2: The answers should be comprehensive and the criteria for valuation is the content but not the length of the answer

11. (a) Explain post increment and post decrement operators with Examples
 * (b) Explain scanf () function
12. Write a C program to check the given number is Armstrong or not
13. Write a C program to find the year is leap year or not using
 - (a) If statement
 - (b) If -else statement

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14. Explain the following string handling functions with examples.

strcat()

strcmp()

strcpy()

strlen()

15. Write a C program to find smallest number in an array

16. Write a C program to swap two values using passby value

17. Explain functions with arguments and no return values with an example

18. (a) Explain declaration of pointer with an example

(b) Differentiate address and dereferencing operators

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A.A.N.M & V.V.R.S.R POLYTECHNIC , GUDLAVALLERU , KRISHNA

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