

6416
BOARD DIPLOMA EXAMINATION
JUNE- 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. List the identifiers available in 'C'
2. List the relational operators available in 'C'
3. Write the syntax of while loop
4. Compare between while and do.. while loop
5. State initialization of String variable
6. State initialization of two dimensional arrays
7. Define recursion
8. Define function
9. List the steps to access structure members
10. Define structure

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. Explain the pre-processor directives #define, #include with examples
12. Write a C program to find biggest of three numbers using nested if-else
- * 13. Write a C program to find sum and average of N numbers
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. Explain functions with arguments and return values with an example
17. (a) Differentiate between Local and external variables
(b) Define recursion and give one example
18. Explain the concept of structure assignment with an example

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

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