

6026
BOARD DIPLOMA EXAMINATION
MARCH/APRIL - 2019
DIPLOMA IN COMPUTER ENGINEERING / INFORMATION TECHNOLOGY
PROGRAMMING IN C
FIRST YEAR 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 steps involved in executing a C Program
2. List all white space characters and give their purpose
3. List the format characters used in printf ()
4. write the precedence and associativity of relational operators
5. Write the syntax of for loop. Give an example
6. List the two ways in initialize one dimensional arrays
7. What is the out put of printf(“%d”, 'z' - 1), justify your answer
8. What are the advantages of a function
9. What is a NULL pointer
10. Write about Conditional Macro

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 Evaluation of logical expression with an example
12. Write a C Program to print all even numbers between 1 and N using do-While Loop
13. Write a program to generate a unit matrix with 5 rows and 5 columns
14. Explain Functions with arguments and without return values with a sample Program
- 15A. Explain various assignment operators
- B. Explain about storage class variables

16. How to use pointers to two dimensional arrays explain with an example program
17. A. Explain how to find size of a structure. Illustrate with an example.
B. How to use pointer to structure? Explain with an example
18. Explain any two file input commands with example

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