

6026
BOARD DIPLOMA EXAMINATION
JUNE - 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. Distinguish between Low level, Middle Level and High-level Languages
2. How to declare a constant? Give an example
3. How many ways a header file is included in C programs?
4. Write the purpose of go to statement. Give an example
5. Write the do. while loop to print "I am OK" 15 times
6. Declare a two dimensional array X to initialize it with
 Row1 : 1,3,5,6
 Row2 : 3,2,1,6
 Row3 : 1,0,0,2
7. State the purpose of strcpy() and explain with an example
8. Write the declaration of a user defined function to return sum of three int types
9. How do you access A[i] using aptr, if aptr is pointer to array A
10. Write the syntax of fscanf(). give an example

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 nested if statement with example program
12. Differentiate between the three loops of C
13. write a program to find the difference of two matrices of order 3 X 3
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14. Write a function to check for given number is prime or not.

- 15A. List and explain various types of operators with examples
- B. Explain local variable and Static variables with examples
16. Explain the use of calloc() and free () with a sample program
17. Write a C program to pass structure as a function argument and to get the structure as a return value.
18. Create a text file to store any type of data

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