

**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
- \* 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

- xxx -

A.A.N.M & V.V.R.S.R POLYTEHNIC, GUDLAVALLERU, KRISHNA DIST., A.P

\*

\*