



M 27016

Reg. No. :

Name :

**IV Semester B.Tech. Degree (Reg./Sup./Imp.– Including Part-Time)
Examination, May 2015
(2007 Admn. Onwards)**

PT 2K6/2K6 EE/EC/AEI 402 : COMPUTER PROGRAMMING

Time : 3 Hours

Max. Marks : 100

PART – A

(5 marks each)

1. Explain the methods to debug C programs.
2. What are the different types of C operators ?
3. Define array.
4. State the difference between structure and union.
5. Explain the constructors in JAVA.
6. What is meant by polymorphism ?
7. List the string handling functions.
8. What are the different types of errors in JAVA ?

PART – B

9. a) Explain the various loop structures in detail. **15**

OR

- b) Write a C program to find the given number is prime or not. **7**
- c) Write a C program to find the roots of a quadratic equation. **8**

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10. a) Write a C program to find the sum of two matrices. 15

OR

b) Write functions in C using pointers that would do the following :

- i) Get an input string and computes its length.
- ii) Function takes two strings and concatenates the first string with the second.
- iii) Get an input string and find the occurrence of the character "s" in the string and replace it with character "k". (5×3=15)

11. a) Explain in detail about the inheritance in JAVA. 15

OR

b) Explain in detail about the branching control structure in JAVA. 15

12. a) Explain the input and output operations on files in JAVA with suitable example. 15

OR

b) Explain how errors and exceptions are handled in JAVA with suitable examples. 15
