

**F 7021**

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Reg. No.....

Name.....

**B.TECH. DEGREE EXAMINATION, NOVEMBER 2017**

**Fifth Semester**

Branch : Civil Engineering

CE 010 502—COMPUTER PROGRAMMING [CE]

(New Scheme—2010 Admission onwards)

[Improvement/Supplementary]

Time : Three Hours

Maximum : 100 Marks

**Part A**

*Answer all questions.*

*Each question carries 3 marks.*

1. What are assignment operators ?
2. Explain the use of break and continue statements.
3. Which are the different ways of initialising arrays ?
4. What are binary files ?
5. Explain the use of file pointers.

(5 × 3 = 15 marks)

**Part B**

*Answer all questions.*

*Each question carries 5 marks.*

6. Which are the different data types and its size ?
7. Which are different ways of passing arguments to functions ?
8. What are pointers and how they are used ?
9. What is meant by self-referential structures ?
10. Explain how to merge two data files.

(5 × 5 = 25 marks)

**Turn over**

**Part C**

*Answer all questions.*

*Each question carries 12 marks.*

11. (a) Explain type casting. (6 marks)  
(b) What is precedence of operators? (6 marks)

*Or*

12. Explain the different formats in which library input-output functions are used.  
13. With an example explain recursion.

*Or*

14. Describe the different storage classes with example.  
15. Write a program to multiply two matrices of size  $n \times m$ .

*Or*

16. With examples explain different string handling functions.  
17. Describe how structures are passed to the function.

*Or*

18. What are linked list and what the different types of linked list?  
19. What are command line arguments with an example explain how it is used?

*Or*

20. Which are the input and output operations on files. Explain some functions in file operations?

(5 × 12 = 60 marks)