

TCS-101 1271 Printed Pages: 3

Paper ID & Roll No. to be filled in your Answer Book

Roll No.

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**B. Tech I Year (I Sem.)
FUNDAMENTALS OF COMPUTER &
PROGRAMMING**

Time: 3.00 Hours]

[Max. Marks: 100

Unit I

Attempt any Four

(4X5=20)

- Q1. Find the value of X, $(ABC)_{16} = (X)_8$ (Don't use shortcut method)
- Q2. Differentiate between DOS & WINDOWS.
- Q3. What are main frame computers. What are the properties of Main Frame Computers.
- Q4. What are the advantages of Computer.
- Q5. Explain IEEE 802.4 standard.

Unit II

Attempt any Four

(4X5=20)

- Q1. What do you mean by Algorithm. What are its properties.
- Q2. Explain the top down approach for development.

Q3. What do you mean by structured programming.

Q4. Explain various flow chart symbols with their working.

Q5. What do you mean by efficient & maintainable programs.

Unit III

Attempt any Two (2X10=20)

Q1. What do you mean by loop. What are different types of loops explain them with example.

Q2. What do you mean by Function. What are different ways to call a function.

Q3. Explain following statements:

a. break

b. continue

Unit IV

Attempt any Two (2X10=20)

Q1. Explain Following terms

a. Union

b. Enumerations

Q2. Write a program in C to multiply two Array (2 dimensional).

Q3. What do you mean by Structures. Write a program in C to demonstrate the working of Structures.

Unit V

Attempt any Two

(2X10=20)

Q1. What do you mean by pointers. What are the advantages of Using pointer sin a program,

Q2. Explain following terms :

- a. Fwrite
- b. Array of Pointers

Q3. What do you mean by File Handling. Write a program in C to read data from a file.

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