Roll No.

#### 24006

B. Tech 1st Semester (Common for All Branches) Examination – December, 2017

FUNDAMENTALS OF COMPUTER & PROGRAMMING IN 'C'

Paper: CSE-101-F

Time: Three Hours]

[Maximum Marks: 100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

one Attempt five questions in all, selecting one question from each Section. Question No. 1 is compulsory. All questions carry equal marks.

- 1. (a) What is a volatile and non-volatile memory?
- of CPU. List out the various operations
- Write a short note on evolution of Internet?

0

- (d) Define Call by Value and Call by Reference with example.
- (e) What are \* and & operators means?  $4 \times 5 = 20$

24006-7350 -(P-3)(Q-9)(17)

P. T. O.

## SECTION - A

- 2 (a) Elaborate the various Input and Output Devices with examples?
- (b) Explain the classification of computers?
- ယ (a) Differentiate Multiprogramming and Multiprocessing operating system.
- (b) Explain the role of an operating system as a resource manager of a computer system.

# SECTION - B

- 4 (a) State different language translators and explain their functions.
- **a** Differentiate between high-level language and low-level language. List the name of some high level languages.
- (a) What is network topology? Explain BUS and Tree advantages? topology with their advantages and dis-

Çī

(b) Explain the different networking connecting devices.

### SECTION - C

0 Write short notes on the following

 $5\times 4=20$ 

'for'loop

(a)

- ट 'while'loop
- (c) 'do-while'loop
- 'Switch case'
- 24006-7350 -(P-3)(Q-9)(17) (2)

- 7. (a) Differentiate Structure and Union with suitable examples.
- 0 structures initialized? Explain array of structure? How an array of

### SECTION - D

- œ (a) a pointer? Give example. What is a Pointer? How a variable is declared as
- Write short note on:

3

 $5 \times 2 = 10$ 

(ii) Pointer to functions

(i) Array of pointers

(a) Write down the different I/O operations that can be performed on Files in 'C" Language?

Download all Notes and papers from StudentSuvidha.com

9

0 Write a program to swap the values of two variables (without temporary variable).