Roll No.

24006

B. Tech. 2nd Semester (Common for all Branches)

Examination - May, 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.

Note: Attempt five questions in all, selecting one question from each Section. Question No. 1 is compulsory.

All questions carry equal marks.

1. (a) What are the unique features of Linux? 2 × 10 = 10

(b) What is URL? What is its relevance to internet?

- c) Code written in Machine Language is efficient and fast to execute, Comment.
- (d) Briefly describe that how Array can be passed to the function.

24006-11,100-(P-3)(Q-9)(17)

P. T. O.

Download all Notes and papers from StudentSuvidha.com

- 0 Bitwise AND? What is the difference between Logical AND and
- 3 Why header files are included in C programming?
- 60 Why do we need signed and unsigned char?
- Describe any one method to check for EOF when reading a tile.
- Write a short note on nested structures
- What is the role played by Modem Networking? 3

SECTION - A

- 2 (a) Write the functions of an operating system. Differentiate between internal and external DOS commands.
- 3 Explain in multiprocessing, timesharing and real systems detail about multiprogramming, time
- ç. (a) Explain with the help of diagram that how RAM, memory in functioning of processor. explain the importance of system bus and main ROM and CPU interact with each other. Also
- Explain the working of Magnetic Disk

SECTION - B

- 4 (a) What are the advantages of Networking? Also explain different devices used for Networking. 15
- 9 In what situations must the network have a gateway?
- 24006-11,100-(P-3)(Q-9)(17) (2)

- 5 (a) Compare OSI model with TCP/IP model.
- 9 Explain the term Programming Language. Give certain examples of such languages

SECTION - C

- 6 (a) elements in a multidimensional array? Write a program to calculate the total number of
- 3 What are conditional operators ? Give its syntax ternary? expressions in the conditional operator are called and application with an example. Why the
- 7. (a) Why the parameters given within a function prototype are called "dummy" parameters.
- (6) input/output functions in 'C'. Write about formatted and unformatted
- 3 Explain logical and bit operators in 'C' examples with

SECTION - D

- 8. (a) What are pointers to functions? Explain with example.
- 3 Write short notes on the following: i) malloc () d and calloc () functions.
- 0 Write a program in 'C' to store the roll no. and obtained by each student in a class file and display the roll no. and total marks marks of 5 subjects in a file. Read the contents of ठ हैं ६ है Notes
- Write a 'C' program to swap two numbers using = 8 call by pointers method
- explain the concept of Pointers. Also explain operations on pointers and array of pointers. 12 occupance (3)