Db.

l.H.

Me

DE.

l.lim

W.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD B. Tech I Year Examinations, December-2012

COMPUTER PROGRAMMIMG AND DATA STRUCTURES

(Common to all Branches)

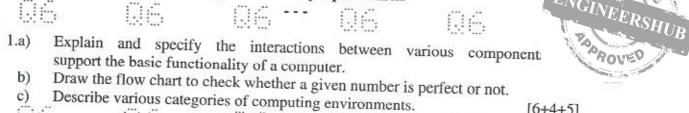
Time: 3 hours

6

ŀ~;

Max. Marks

Answer any five questions All questions carry equal marks



Explain the control statements in 'C' language with an example. 2.a)

Define type conversion? Explain briefly about implicit and explicit type b) conversions. [7+8]

Define an array. What are different types of array? Explain with examples. b) Define Recursion. Write a C-Program to find the factorial of a number using Recursion. [7+8]

Describe the features of pointers. Explain an array of pointer with an 4.a) example.

...Write a C program to accept string using character pointer and display it. [7+8] ... b.)

Define self referential structure. How it differs from nested structures. Explain 5.a) with an illustrative example.

Write a short note on typedef and enum. b)

1.14.

[7+8]

IJŕ,

[6+4+5]

6.a). ... Write C-language program that reads a C-program file and outputs number oflines in the program.

List and explain the streams functions for binary files along with their b) prototypes. [7+8]

7. Explain the Quick sort algorithm with the help of an example. [15]

IJ'n,

8.a) Explain the procedure for converting infix expression to postfix expression with an example routine.

b) Explain about:

L. in

DF,

i) Stack ii) queue.

