

Hughes(FSS) Sample Paper

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Company : Hughes(FSS)
Date :
College :

- what is height balanced tree
- _diff. Between binary tree & B –tree
- structure for the node of a doubly linked list
- A 16 bit no. is stored in some memory location (say XXXX). Write a program to access that value and count the no. of set bits in it
- For which purpose, class D Ip Addresses are used (ans, Multicasting)
- What is multicasting?
- Structure of class a & CLASS b IP addresses
- Public addresses use which class of IP address?(ans. B & C)
- Private addresses use which class of IP address?(ans. A)
- Which CPU Scheduling algo is used in unix ?
- Which scheduling algo for multitasking?
- Is DOS multitasking?
- Is WIN 95 multitasking?
- What type of multitasking is there in win95 ?(ans. Cooperative multitasking)
- What is variable argument function & how does it work?
- Any example of variable argument fuyncction in C ? (ans. Printf)
- What happens in printf ? what is passed onto stack ?
- Interprocess communication?
- OSI layers
- TCP corresponds to which layer of OSI ?
- Function of session layer?
- Function of transport layer
- what is subnet ?
- subnet mask?
- Memory management schemes
- diff. In segmentation & paging?
- page fault & thrashing
- diff. In RDBMS & conventional DBMS ?
- What is ARP & why is it needed ?
- write a C program to implement strcat function of C language ?
- diff. Between router & gateway ?
- What is RARP& why is it needed ?
- protocols of application layer ?
- what is socket programming &its system calls?
- What is use of ping ?

- other protocols that can be used for web accessing except HTTP?
- Waterfall & spiral model ?
- diff. Between Java & C++?
- What are dangling pointers ?
- write recursive & non recursive programs to generate Fibonacci sequence?
- program for insertion sort ?
- which sort best for sorting 1 2 3 4 5 6
- How many times recursion can be done?
- Diff. Between static & dynamic polymorphism?
- What is need of UDP when IP(which is also connectionless) is there ?
- about yourself & your family
- What happened to you in Inter? Why has the percentage dropped so much ?
- What's your Gate percentile?
- why couldn't get IIT's & In which IIT's, did you apply?
- When you're disappointed, how do you overcome it ?
- Where you will be after 5 years from now?what are your goals?
- What adjectives your friends will use to describe you ?
- How many friends?
- Whether you would like to work alone or in group ?
- What position would you like to have in a group ?
- What do you do when you're free?
- What do you like to do?
- what do you not like to do ?(I said criticism of others on their bac,k I feel that HRD fellow liked the ans)
- Why didn't you take up GRE ?
- What do you feel how was your technical interview?
- Why didn't you do job after B.Tech ?
- You're given some task, when will you feel satisfied?
- at end, Do you want to ask anything from us?
- Your strengths
- Your hobbies?
- What do you hate to do ?
- If you get vast amount of money, what will you do of it ?
- you're sceptic/enthusiastic?
- You're pessimistic/optimistic?