Honeywell Aptitude Paper 2006 - BANGALORE

These are the questions asked for the Honeywell test conducted on 22 July 06 in their Bangalore office.

There were 100 questions:

50 Technical questions (branch wise)
30 C questions
20 aptitude questions

1) Binary search tree is used in
   a) sorting   b)searching   c)indexing   d)all the above

2) Given a tree..write the preorder traversal

3) Given an infix expression..write its postfix

4) First general purpose microprocessor
   a) 2002   b)4004   c)8080   d)8085

5) What is 8253

6) ____flag is not used in 8085 jump instructions

7) SNMP is used in which layer

8) Banker's algorithm is used for

9) Belady's anomaly is related to___

10) Which of the following is non-preemptive
   a) FIFO   b)SJF   c)Round robin   d)all the above

11)A relation in 3NF is in_____

12) A question on serializability

13) One SQL query

14) Functional dependency one question

15) The first general purpose microprocessor is ____-bit

16) In a three byte instruction the second byte indicates____

17) Average case analysis for partition exchange sort

18) How the receiver knows to what service the packet to be forwarded?

19) Given a binary sign magnitude no:..write its decimal

20) The order in which data is transferred frm magnetic disk
   disk->main mem->cache->h/w register

21) In which layer of the network datastructure format change is done

22) Which of the following allow parallel & serial connections
   a)DHCP   b)PPP   c)IPX   d)all the above

23) Given some IP addresses...identify which one is IPv6?

24) Open addressing and chaining is used in
   a)sorting   b)indexing   c)collision-resolution   d)none of the above

25) Storage space requirement for diff: sorts in the descending order

26) Which scheduling policy is used in unix..

27) In database which mechanism is suitable for recovery?
   a)checkpointing   b)indexing...   c)   d)

28) Which of the following is not correct?
   a)arrays consume less space
   b)linked lists are more complex
   c)linked lists use less space
   d)

29)which of the following is not correct?
   a)main does not have arguments
   b)main can have command line arguments
   c)main have variable arguments
   d)

30) Which of the following is not correct?
   a)function can call itself
   b)function can have no return type
   c)function cannot have multiple return statements
   d)function can have arguments

31) When an interrupt is called control is given to..
   a)interrupt vector table
   b)interrupt service routine
   c)stack
   d)

32) Which of the following is not a synchronization tool

a)semaphore   b)mutex   c)mutual exclusion   d)message passing

33) Given a graph write the BFS for it

34) How can u increase ports of a microprocessor?
   a)8255   b)8259   c)8253   d)8251

35) What is 8259?

36) Which of the following maintains a constant time(best,worst,average)?
   a)searching   b)sorting   c)indexing   d)none

37) In a database a table is stored not fully..it is an example of
   a)views   b)logical data independence   c)abstraction   d)all the above

38) The time CPU takes to complete the execution of processes____

39) The minimum length of TCP/IP header and IP datagram header

40) Process spawning in OS is_____

41) The topology that uses a central hub is___