

Honeywell Sample Paper

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Company : Honeywell
Date :
College :

- a) Verbal ability (15 ques)
 - b) Numerical aptitude (15)
 - c) Logical and analytical ability (15)
 - d) Elementary computer science (10)
 - d) Programming languages (20)
 - e) Operating systems and Data structures (25)

Verbal ability questions contained 3 parts.

- a) One passage is given and U have to answer 5 questions
- b) Some words are given and their synonyms have to be written
- c) Numerical aptitude and Logical questions were the usual stuff.

4 rounds of interview.

First round (around 45 minutes) contained, questions from research area, operating systems and Software Engineering

Explain U'r research work.

Explain the difference between microkernel and macro kernel.

Give an example of microkernel.

Why paging is used ?

Which is the best page replacement algo and Why ?

What is software life cycle ?

How much time is spent usually in each phases and why ?

Which one do U want to work if selected in Honeywell ?

Why do U want to join Honeywell ?

Ans : To get a practical feeling of Real-time systems.

Do U know C++ ?

How good are U in C and C++ ?

Rate yourself in both C and C++. (1 - 10 marks)

Second round (around 45 minutes)

Questions regarding whatever is written in bio-data

What is a distributed system ?

Some questions about CSP.

Which languages do U know ?

What are the differences between Pascal and C.

some questions from Compiler construction and Lisp.

Which are the different computer architectures ?

What is the requirement in MIMD ?

What is the difference between RISC and CISC processors ?

Difference between loosely coupled and tightly coupled systems ?

What is an open system ?

Still a lot of questions from software engineering .

Which are the different phases in Software life cycle (asked again)

Why is analysis and testing phases very important ?

Which methodologies are U familiar with ?

Have U worked in windows ?

What is the difference U have seen from a Dos environment ?

How do WinMain look like ?

How the messages are processed in Windows ?

What are parameters needed to distinguish an event ?

Have U done any network programming ?

Why networks are layered ?

What is the advantage of that ?

How many layers are there in OSI ?

Why is it called OSI model ?

Are U familiar with network topologies ?

Which are the different network topologies ?

Tell an example of bus type network.

What is the Bandwidth of ethernet ?

Explain the advantage and disadvantage of ethernet ?

Which is the protocol used in ethernet. (CSMA/CD)

Why is it called so ?

If all stations tries to communicate at same time, what will happen.

What is binary exponential backoff algo ?

What is the advantage of Ring network ?

Compare it with ethernet.

In a real-time system which one do U prefer and why ?

What is the basic requirement of a real-time network ?

Which one is costly - ethernet or ring networks ?

Some questions form OOSD and Digital signal processing.

What is inheritance, encapsulation etc.

Third Round (15 minutes)

Asked about the percentages and marks during SSC, PDC, B.Tech and MS.

When can U join ?

Who is U'r guide ?

U are from which place ?

How do U perform in the first two interviews ?

Why have U given Honeywell as dream job ?

Some more personal questions

Fourth Round (45 minutes)

What do U like in Bangalore ?

Asked about my family members.

How do U interact with friends ?

How do adjust to a new environemnt ?

Suppose U solve a problem and after that U are getting an almost same problem with high complexity (and lower complexity). How will U approach to the next problem.

What is U'r approach towards a new subject ?

How do U prepare for exams ?

Suppose in a project meeting, somebody fires U, how will U react ?

Are U patient enough?