

I have attended Honeywell interview on 13th of September 2008 at HTS, Bannerghatta,, Bangalore.

It has total of Four Rounds,

1. Written Test (Completely technical) 30 mins
2. Technical Interview around 45 mins
3. Technical Interview around 45 mins
4. Technical Interview around 15 mins
5. HR interview around 15 mins

Written Test questions were from Entirely C.

I got Question Paper 2

It had questions on File operations, Basic functions, Pointer to functions, pointer declarations, functioncall in a for loop...

I have recalled what ever I could and provided here....

Written test had total of 31 questions and no negative marks....

1. how to allocate memory for 10 integers and make the contents zero?

ans : ptr= calloc(10, int value);

2. what will be the output?

```
void increment()
{
return x++;
}
```

```
for(x=0;x<10;increment())
```

```
{
some operation;
}
```

Ans : I have not tried... may be error

3. How to free the allocated memory?

Ans : free();

4. How to initialize constant pointer?

5. what is the output?

```
int modifyvalue()
{
x=x+10;
}
```

```
int changevalue(x)
{
x=x+1;
}

void main()
{
int x=10;
changevalue(x);
x++;
printf("%d", x);
x++;
printf("%d", x);
modifyvalue();
printf("%d", x);
}
```

Ans : 11, 12, 12

The above question is 90% reproduced here

6.a question on hoe to free the node in linked list in a for loop....
we have to say whether it is correct or not....

```
8. x=0;
while(x<10)
{
stmt;
x++;
}
```

Represent in for loop. options given

Nothing much I remember about the written test....

In technical interview they asked only the basics, and about the project and what I have mentioned in the resume and about the embedded protocols.

In HR, they asked....

1. Tell me about ur self
2. what do you consider as your strength and give an example?
3. Have you ever faced a situation so that you are required to convince your boss and show you did it?
4. Have you ever had a situation, that you could not complete your task in time and how you managed that?

5. Have you ever interacted with the customer directly?
 6. What are your achievements?
 7. What is your role in your project?
 8. Did you ever faced a situation that you have to argue on the other side and how you convinced?
 9. what made you to choose honeywell?
- and some more questions....

HONEYWELL PAPER ON 17th MARCH AT HYDERABAD 2008

Hi every one,My name is Ashok M pursuing B.E.(CSE) final year iin M.V.S.R. Engineering College,Nadergul,HYD.I have attended the Honeywell placement at Osmania University.

The pattern is as follows:

1)Written Test (Technical & Aptitude papers) it is descriptive type The Technical Paper is as follows: duration 1HR there are 4 questions

1)Find string palindrome 10marks

2)Write a C function to search a number in the given list of numbers .donot use printf and scanf 10marks

3)What is the difference between delete,drop,truncate? 2marks

4)what is out put of the following code? 3marks

```
#include
```

```
class Base
```

```
{
```

```
Base()
```

```
{
```

```
cout<<"constructor base";
```

```
}
```

```
~Base()
{
cout<<"destructor base";
}
}

class Derived:public Base
{
Derived()
{
cout<<"constructor derived";
}

~Derived()
{
cout<<"destructor derived";
}
}

void main()
{
Base *var=new Derived();

delete var;
}
```

The Aptitude Paper is follows :1HR duration

1) There are 4 women to cross bridge and Flashlight. One or two women can cross the bridge with the flash light at a time. Those have different walking speeds. The pair must walk at the rate of slower pace

woman1: 1 minutes

woman2: 2 minutes

woman3: 5 minutes

woman4: 10 minutes

Then what is the minimum required time to cross the bridge all the 4 women without throwing flashlight? 6MARKS

2) There are cats got together to decide killing the mice of 999919, each cat kills equal no. of mice and each cat kills more no. of mice than cats there were. Then what are the number of cats? 4MARKS

3) The tree grows first day $\frac{1}{2}$ of its original size, grows $\frac{1}{3}$ of its previous day size, and grows $\frac{1}{4}$ and so on. How many days it will take to grow 100 times to the original size of tree? 4MARKS

4) There is one 40 kg weight stone. How many weights are there such that it can measure any weight between 1 to 40 kg? 7Marks

5) There is one monkey climbs 3fts and slips down 2fts of a tree in 1 hour. How much time it will take to reach the top of the tree of 20fts height? 4 MARKS

II Technical Interview

III Technical Interview

IV HR

Honeywell conducted a test in IIT and Interview was in their office at B'lore.

Test contained 100 multiple choice questions divided into

- 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) Operations systems and Data structures (25)

Not sure about the number of questions.

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.

I had 4 rounds of interview.

First round (around 45 minutes) contained, questions from Real-time

Systems (my research area), operating systems and Software Engineering

Explain U'r research work.

What is a Real-Time System ?

What is the difference between Hard and Soft real-time systems ?

What is a mission critical system ?

What is the important aspect of a real-time system ?

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 ?

(I said I don't like testing)

They asked why ?

I said it is a boring job. Then they tried to analyse the knowledge in testing.

What is testing ?

Which are the different types of testing ?

Then they explained the way they do testing. They said that they are doing testing in requirement phase and design phase so that if any problem comes in those phases it is not necessary to go back and change the requirement or design. All the test processing is automated.

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 U'rself in both C and C++. (1 - 10 marks)

Second round (around 45 minutes)

They wanted a bio-data at the time of interview. I gave the placement office bio-data and in that one there was column 'Major subjects studied'. Many of the questions came from those.

Explain U'r research work.
Lot of questions from it.

What is a distributed system ?
Some questions about CSP. (I kept quiet)
Which languages do U know ?
What are the differences between Pascal and C.
I said Pascal is a strongly typed language.
Then what is typing and its advantages ?
Then he asked 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 ? (Yes)
What is the difference U have seen from a Dos environment ?
I said it event driven .
So what do U mean by event driven ?
How do WinMain look like ?
How the messages are processed in Windows ?
(Queue of events)
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.

I said ethernet.

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 of 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 ?

Where is it in Kerala ?

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)

1. Aptitude test : 15 Minutes, 20 Questions

Towards the middle questions are easy than from the front.

eg. Product of three consecutive nos. 210. What is the sum of two least numbers?

ans.: $5 * 6 * 7 = 210$, sum = 11 is answer

eg. If the area of the sqaure is increased by 69 % how much the length of the side will increase?

ans.: 13 (i think)

eg. if the sum of five consecutive nos. 35? how many prime nos are there :

ans: $5 + 6 + 7 + 8 + 9 = 35$ so two primes

eg. if the length of the rectangle is reduced by 20% and breadth is increased by 20% what is the net change ?

ans.: 4 % decrease

2

i. Electrical & Electronics

15 Questions and, nand...circuit related stuff,

ii. Data Structures, Algo., & Complexity theory : 5 questions

a. if W is a sequence of strings without a and W' is its reversal then WaW' is generated by:

ans. i think Context Free Grammmars

b. Whether all recursive pgm can be writtten iteratively?

c. What data structes you will use if you want to go to first record from the last and vice versa?

ans.: doubly linked circular list

d. Given 10000 nos. and 48MB Memory. What is the complexity of the efficient sorting algo.? (the algo. is not mentioned)

e. Given a C code and ask what it does?

I think the code was something similar to Bubble sort and that particular code does the sorting in Desending order and the complexity is $O(n^2)$ (which is the next question).

iii. OS : 5 questions

a. If there are too many page faults what is the problem?

b. To ensure one pgm. doesnt corrupt other pgm. in a Multi-pgm. enviornment what you should do?

c. Which one you will use to implement critical section?

Binary Semaphore

d. Which one is not needed for Multi-pgm. enviornment?

options are: virtual memory, security, time sharing, none of the above.

iv. Networks and Hardware: 5 questions

- a. Which one is not done by Data link layer ?
bit stuffing, LRC,CRC,parity check
- b. Which one is not related to Data link layer?
- c. Which one is not suitable for client-server application?
tcp/ip,message passing,rpc,none of the above.
- d.

v. Databases and Misc.: 5 questions

- a. What SQL (not the expansion)
- b. Indexing in databases give you
- c.

vi. C Pgm. : 5 questions

1. `int a=1,b=2,c=3;`
`printf("%d,%d",a,b,c);`
What is the output?
2. `for(i=0; i<=10;i++,printf("%d",i);` +- (+- is there in the questions)
3. Scope of Static Variable
4. Given a C code and what is the output?

QUESTIONS were very tough&

They r screwing in interview

pattern:

1st round

technical(cs and ece separate papers)-35q in 30 min

apti(10anal,1 logic,remaining numeric)-30 in 30 min

20 c in 15 min

2nd round

G.D

topics:

impact of globalisation or westernisation on indian culture

love marriage -arranged - which is better?????

actors entering politics---is it good?

ragging- should be prevented ???

3rd round

technical interview

may be 2 rounds in this ...

4rd

final round is this .

this is HR

I attended the written test for Honeywell at NCE,Kovilpatti.

There came a crowd of 1000(I batch) & they selected 50.

And I got selected for GD round,which is on 2-aug.

Can u help me to prepare for GD with GD topics & GD preparation tips.

If u had any GD experience please share with me, so that it would

be very helpful for me.If so mail me at nancy_idp@yahoo.com

Some of the questions asked:

1. Aptitude - 20

Reasoning - 10

- 30 minutes

2. Technical - 35

- 30 minutes

3. C - 15

- 15 minutes

1.Aptitude:

Simple train pbms

age
ratio - proportion
Profit - loss
Time & work
Time & Distance
Pipe & Cisterns
Shaded area
Volume (cylinder ,cone ..)

Reasoning
2 sections
a part with 4 questions
b part with 6 questions

There must 4 democrats & 3 republicans out of the
12 professors.
No of X professors are A,B,C,D.
No of Y professors are E,F,G,H,I.
If A comes f & G r absent ..
so on.

Easy to solve.

2. Technical(Computer Science)

OS
cache access time -100ns
Primary memory access time -1000ns
...then some data & condition
find the actual access time.
microprocessor
(lot of questions)
8085 no of 16 bit registers.
8086 Instruction queue byte length?
8088 Instruction queue byte length?
6800 what is it?
8085 pgms...
port no calculations
Data Structures
Which Data Structures to use for infix to prefix conversion
Worst case complexity for quick sort
preorder traversal
Binary tree ...

C
Only one pgm - recursive fn - find the value..
quite easy.

Number conversion hexa , octal

3.C

1. int *data[10];

what does the variable data denotes?

2. {

int a[]={ 10,20,30,40,50};

fun(a+1);

}

fun(int *p)

{

for(int i=1;i<=3;i++)

printf("%d",*(p+i));

}

3.enum day { saturday,

sunday=3,

monday,

tuesday

};

value of saturday,tuesday.

4. enum day {

saturday,

sunday=-1,

monday,

tuesday

};

int x=monday;

value of x?

5. #define ADD(X,Y) X+Y

main()

{

-

#undef ADD(X,Y)

fun();

}

fun()

{

int y=ADD(3,2);

printf("%d",y);

}

o/p?

6. #define ADD(X,Y) X+Y

```
main()
{

#undef ADD;
fun();
}
fun()
{
#if not defined(ADD)
define ADD(X+Y) X*Y

int y=ADD(3,2);
printf("%d",y);
}
```

o/p?

7. ptr sums...

```
8. int x;
int *p;
int **p1;
int ***p2;
How to assign each one?
9.malloc pbms..
```

Honeywell Placement Paper

Text have No negative marking and 3 sections -technical 35 questions in 30 mins-DCT, data structures,interrupts in 8085 etc..aptitude -30 questions in 30 mins ,C-20 questions in 15 mins-was quite easy some questions(not sectionwise)

1. key constraints arefor...
 - (a) secondary key
 - (b) primary key
 - (c) foreign key
 - (d)...
2. If a sinusoidal signal of 1100Hz is flat top sampled at a rate of 1800Hz,& this signal is passed through an ideal LPF with cutoff 1KHZ,the o/p contains the following frequency components: (This question was repeated again in the same paper !!!)

(a)only 800Hz

(b)...

(c)...

(d)...

3. TRAP is _____interrupt

(a)synchronus

(b)asynchronus

(c)hardware

(d)...

4. When the instruction RST is executed, the control jumps to location:

(a)0020

(b)0024

(c)0028

(d)none of the above

5. A memory cell in static Random Access Memory is made up of:

(a)6 mos transistors---ans

(b)1 mos transistor and 1 capacitor

(c)4 mos transistors and 2 capacitors

(d)...

6. Worst case algorithm is meant for the case

(a)when sometimes favourable

(b)when worst unfavourable

(c)...

(d)...

7. A semaphore with negative count $n(s=n)$ has how many processes in the Q?

(a)0

(b)n

(c)n+1

(d)n-1

8. If in a PCM system the no of bits used is increased from n to $n+1$, the signal-to-noise ratio improves by
- (a) 3dB
 - (b) 6dB
 - (c) 20dB
 - (d) 24dB
9. 2 trains of length 110m & 90 m travelling at 45kmph & 50 kmph respectively..when will they pass each other?
- (a) 144mins
 - (b) 102mins
 - (c) ..
 - (d) ...
10. From a circular sheet of radius 10cm , 40% is cut off & from the remaining portion a cone is constructed, what is the ratio of the radius of the cone to its height?
11. If a vessel contains 56 litres of a mixture of milk & water in the ratio 3:2..what amount of water should be added to make the ratio 4:5?
12. 2 pipes fill a cistern in 12 mins, pipe A is 3 times faster than pipe b...if only pipe B has to fill the cistern ,how long will it take?
- (a) 1hour
 - (b) 2hours
 - (c) ..
 - (d) ..
13. `#define ADD(X,Y)`
`X+Y`
`main()`
`{`
`#undef ADD(X,Y);`
`fun();`


```
}  
fun()  
{  
int y=ADD(3,2);  
printf("%d",y);  
}
```

o/p?

Runtime error(linker error): _add undefined in module

14. Which of the following is illegal

- (a) void v;
- (b) void *v;
- (c) void **v;
- (d) all are legal

15. #define int INTEGER/*line1*/

#define INTEGER int/*line 2*/

main()

```
{  
INTEGER p=10;/*line 5*/  
printf("%d",p);  
}
```

o/p?

- (a) compiler error at line 1
- (b) compiler error at line 2
- (c) compiler error at line 5
- (d) No error, prints 10

ans:c

16. main()

```
{  
int counter=1;  
for(;;)
```

```
{  
    counter++;  
    if(counter>9)  
        break;  
}  
}
```

in the above program

- (a)error b'coz for should have parameters
- (b)error bcoz 2 semicolons in a for loop are invalid
- (c)no error,loop is executed once
- (d) no error ,loop is executed 10 times

17. main()

```
{  
    char str={'H','E','L','L','O','\0'}  
    printf("%s/n",str+1);  
}
```

o/p?

- (a)prints ELLO
- (b)prints HELLO
- (c)prints ILLO (i.e.'H' is incremented by 1)
- (d)...

18. The average temperature for monday,wednesday,thursday was 46 o C.the average temperature fortuesday,wednesday,thursday,friday was 48(some no)..if temp on monday was 42 o C,what is the temperature on tuesday?

- (a)32
- (b)36
- (c)37
- (d)3....

19. The average marks of 12 students was found to be.....(some no)...it was later found that while entering the data , it had been entered as 74 instead of 50...and 20 instead of 24(nos are not the same)...what is the correct average?
20. If a lady bought a house & sold it at 25% more than what she had paid after 3 years, she has to pay 50%tax on the gain...If C is the cost price,(gain=s.P-c.p),what tax did she have to pay?
- (a)..
- (b)C/8
- (c)...
- (d)...
21. Some no of men(given)..complete a work in (given) no of days...after (some no) of days ..some more(given no) men join them,they will finish the work in how many days?
22. If a car travels from A to B at a speed of 'x' kmph & travels back from B to A at 4/5th the speed,then the total distance travelled in terms of percentage of x is?
- (a)2400km
- (b)3600km
- (c)..
- (d)...
23. A question on malloc
- ```
int *p;
p=malloc(sizeof(int)*5);
```
- if malloc returned the address 1000;the value of p+1 is
- (a)1002
- (b)1004
- (c)...
- (d).....

24. cascade amplifier is:
- (a) a common emitter stage followed by a common base stage
  - (b) a common base followed by emitter follower
  - (c) ...
  - (d) a common base stage followed by a common emitter stage
25. A network has 7 nodes & 5 independent loops, the no of branches=?
- (a) 11
  - (b) 14
  - (c) ..
  - (d) ...
26. Many nodes transmit at the same time .....collision occurs...retransmit.....what is this called?
- (a)
  - (b)
  - (c) collision.....enforcement
  - (d)
27. If the characteristic impedance of a transmission line is 50ohms, at 1 end the impedance is  $+j50$  ohms, the VSWR =?
- (a) 0
  - (b) infinity
  - (c) +j
  - (d) +1
28. Minimum no of NAND gates required to realize the boolean eqn:  $Z=ABC$ ?
- (a) 4
  - (b) 6
  - (c) ..
  - (d) ....
29. It has been found that mercury poisoning due to industrial pollution causes Hobson's disease. An island R is completely away from modern industry. People here follow subsistence agriculture method. A high % of people

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in Island R are affected by Hobsons disease.From the above paragraph, we can deduce

- (i) there must be another reason for Hobson's disease other than mercury poisoning
  - (ii) mercury poisoning can be due to other reasons than industrial pollution
  - (iii)....
- (a) i only
  - (b)ii only
  - (c) i ,ii, iii
  - (d) i and ii

30. fun()

{

int counter=1;

counter++;

if(counter>10)

fun();

}...(some program similar to this one). the program will be executed infinitely--

ans

31. Which of these are legal?

i.a pointer to a function

ii.a pointer to a structure

ii.pointer to union

(a)i only

(b)i and ii

(c)i,ii &iii

(d)ii &iii

32. Union..

{

int ivalue;

char lvalue;

struct boo

```
{
 int ivalue;
 char lvalue;
}databook;
};
```

(a)error as struct within union is not allowed  
(b)error as struct members have same name as union members  
(c)...  
(d).....

33. How many stacks are there in DOS?

- (a)1 stack
- (b)2 stacks
- (c)3 stacks
- (d)...

34. What is the o/p?

```
main()
{
char arr[5]={'a','a','b','c','d','e'};
printf("%s",arr);
}
```

**Honeywell Campus Test at NCE,Kovilpatti on July 26 2003.**

**Aptitude:**

Questions from Simple train pbms,age,ratio, proportion,Profit ,loss,Time & work,Time & Distance,Pipe &

Cisterns,Shaded aream,Volume ( cylinder ,cone ..),Reasoning,2 sections a part

with 4 questions b part with 6 questions

There must 4 democrats & 3 republicans out of the 12 professors.No of X professors are A,B,C,D. No of Y professors are E,F,G,H,I.If A comes f & G r absent ..

so on.

There must 4 democrats & 3 republicans out of the 12 professors.No of X professors are A,B,C,D. No of Y professors are E,F,G,H,I.If A comes f & G r absent ..

so on.

## 2. Technical(Computer Science)

OS,cache access time -100ns,Primary memory access time -1000ns,...then some data & condition, find the actual access time.,microprocessor ( lot of questions ) 8085 no of 16 bit registers.,8086 Instruction queue byte length?,8088 Instruction queue byte length?,6800 what is it?8085 pgms...,port no calculations Data Structures Which Data Structures to use for infix to prefix conversion,Worst case complexity for quick sort,preorder traversal Binary tree ...

1. `int *data[10];` what does the variable data denotes?

```
2. {
 int a[]={10,20,30,40,50};
 fun(a+1);
}
```

```
fun(int *p)
```

```
{ for(int i=1;i<=3;i++)
```

```
 printf("%d",*(p+i));}
```

3. `enum day { saturday,sunday=3,monday,tuesday};`

value of saturday,tuesday.4. `enum day { saturday,sunday=-1,monday,tuesday};`

`int x=monday;` value of x?5. `#define ADD(X,Y)`

```
X+Ymain(){-#undef ADD(X,Y) fun();
```

```
}
```

```
fun()
```

```
{
```

```
 int y=ADD(3,2);
```

```
 printf("%d",y);
```

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}

o/p?

4. #define ADD(X,Y) X+Y

```
main()
```

```
{
```

```
#undef ADD;
```

```
fun();
```

```
}
```

```
fun()
```

```
{
```

```
#if not defined(ADD)
```

```
define ADD(X+Y) X*Y
```

```
int y=ADD(3,2);
```

```
printf("%d",y);
```

```
}
```

o/p?

5. int x;

int \*p;

int \*\*p1;

int \*\*\*p2;

How to assign each one?

### **Honeywell Placement Paper**

**Test contained multiple choice questions divided into**

- a) Verbal ability (15 ques)
- b) Numerical aptitude (15 )
- c) Logical and analytical ability (15)
- d) Elementary computer science (10)

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d) Programming languages (20)

e) Operating systems and Data structures (25)

Some sample Questions

1. What is a Real-Time System ?
2. What is the difference between Hard and Soft real-time systems ?
3. What is a mission critical system ?
4. What is the important aspect of a real-time system ?
5. Explain the difference between microkernel and macro kernel.
6. Give an example of microkernel. Why paging is used ?
7. Which is the best page replacement algo and Why ?
8. What is software life cycle ?
9. How much time is spent usually in each phases and why Which one do U want to work if selected in Honeywell ?
10. Which are the different types of testing ?
11. What is a distributed system ?
12. Some questions about CSP.
13. Which languages do U know ?
14. What are the differences between Pascal and C.
15. questions from Compiler construction and Lisp.
16. Which are the different computer architecture?
17. What is the requirement in MIMD ?
18. What is the difference between RISC and CISC processors ?
19. Difference between loosely coupled and tightly coupled systems ?
20. What is an open system?

**HONEYWELL PAPER ON 20th APRIL AT KOLKATA**

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Hi I am Subhrojit Chowdhury from G.N.I.T. Kolkata Recently I have been placed in Honeywell Automation India Limited.I would like to share my experience with you guys.

Selection Process

**1>Written Test.**

**2>Technical Interview.**

**3>H R Interview.**

**Written Test**

It consisted of 2 parts General Maths,General English.....Almost 1500 students appeared for the test and 43 students cleared the aptitude test.After that we had our technical round 21 cleared the round.At last 14 of us cleared the H R round.

**Written Test(30 questions)**

1>R.S Agarwal Will do The job.

simple percentage,profit and loss,work and wages etc

**General English(15 questions)**

1>Consult GRE Barrons.

Synonyms,antonyms,Paragraph

Best of luck guys,

Subhrojit Chowdhury

## **HONEYWELL PAPER ON 8th FEBRUARY**

Hi friends, I am ECE student. i have attended honeywell written test on madurai. so, i give some information to you. it consists of 4 section.

- 1.Technical 50
- 2.C 30 These 100 takes 100 min(1h 40min)
- 3.Aptitude 20
- 4.descriptive 20marks(tech& program on C)

### **1.TECH:**

SUBJECT-----electronic circuits& devices(find o/p) LIC,digital electronics, control system,dsp, microprocessor&controller,analog&digital comm.

### **2.C:**

AREA-----pointer\*\*,function\*\*,union,structure,files,memory management.  
FROM EXPLORING C

### **3.APTITUDE:**

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TOPIC-----profit&loss\*\*,numders,area,interest,distance,train,odd man.  
VERY EASY FROM r.s AGGARWAL

MOST ASKED FROM THIS AREA.

#### **4.DISCRIPITIVE:**

TECH AREA-----CIRCUIT DRAWING(he give i/p & o/p for us---  
i/p==230v&50Hz, o/p==12v&0Hz ) diode operation,use of ALE in Up,likewise for 10  
marks

PROGRAMMING-----There is a CHOICE to take C ,CPP ,JAVA ,.NET C ? ----Eg:he  
give summary for program then U write program Like without using  
SCANF & PRINTF statements

IF YOU HAVE GOOD SKILL IN THIS SUBJECT, YOU EASILY CLEAR YOUR  
WRITTEN TEST.

#### **2 ROUND**

##### **TECHNICAL INTERVIEW**

- 1.YOUR DEPARTMENT TECH ?
- 2.YOUR'S ABLITY IN C & CP

#### **3 ROUND**

##### **HR INTERVIEW**

ALL THE BEST FRIENDS      WORK HARD\*\*\*\*\*WIN EASY

#### **HONEYWELL PAPER ON 29th JANUARY AT PUNE**

Date: 29<sup>th</sup> January, 2007  
Locaion: CDAC, ACTS, Pune  
Mode: Campus placement

Hi guys & guls,

This is Prashant Kr. Agrawal. I m trying to give some important topics about interviews,  
plz read it, they may give u some confidence.

Most of the question were from SOFTWARE ENGINEERING, C programming, Data  
structures, Operating systems such as-  
-> SDLC (software development life cycle)-what r various models [waterfall, prototype,  
iterative enhancement, spiral], wht r the steps under these models.

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- > some question about Testing, unit testing, integration testing, alpha, beta testing ,system testing.
  - > What is CMM levels, Six sigma, ISO standards.
  - > what r various steps under which a C program is converted into .exe file (preprocessing, compilation, linking)
  - >Program for any sorting method (I made bubble sort, he discussed complexity issues of various sorting algorithms)
  - >Program for matrix multiplication.
  - >What are the different kinds of tree (questions about Binary tree, Binary search tree, **AVL tree**)
  - >Difference between arrays and linked list, which one is better (I said it depends upon application, if we want to store some name ie character string of predefined length array will be better option b'coz more memory is required to store pointers etc)
  - > Some question about Aerospace, aviation etc(I said these thing were not part of my syllabus at all, but I if I get a chance to learn the these I can quickly learn them)
  - >Which data structure is used in expression evaluation, how a infix expression is evaluated (first converted into postfix, then evaluate using stack)
  - > Some operating system questions (about scheduling, semaphore, mutexes)
  - > what is Real time system, difference between hard and soft real time systems with examples(hint: in hard real time systems strict dead lines r imposed, **THE SYSTEM WILL FAIL** if the processing is not done within defined time constrains ex. Firing a missile on a aircraft, whereas in soft real time system deadlines are important but missing the deadline will not lead to system failure, for ex. DVD player when a command is given thru remote, the delay of few millisecond will not lead to serious implications)
- > I suggest you all to focus about your projects more. He may drive several questions from ur projects itself.**

There is procedure of two technical rounds, (In my batch, for some candidates 1 technical round was face-to-face and another one is telephonic, I suggest to be prepare for telephonic interview also, practice for describing your project etc on phone also, b'coz it is a bit hard to make understand to a person who is not present in front of u, so practice it also)

So, **ALL THE BEST**, be prepare, have **FAITH** on **GOD**..... He has thought something for u....., don't worry....  
(I know it is good to write or read, but vry hard to implement....., but try it, surely it will work).....,

**For written test:** Two set of papers were there, 1 for EC & 1 for CS. I opted for CS.  
50 technical: most of the weightage was given to DBMS, data structures etc.  
30 C programming: Read exploring C completely, in my suggestion that is vry good & sufficient book for C questions.  
20 aptitude question:

Few questions were like-

1> Arrange Them in the order of space complexity  
Merge sort, quick sort, heap sort

```
2> Void main()
{
 complete=10;
 complete1=11;
 if(complete=12)
 {
 printf ("hi");
 }
 else
 {
 printf("hello");
 }
 printf("%d %d ",complete,complete1);
}
```

o/p- hi 12 11

3> How many times in a day the hr. & min. hands of a clock are in straight line.

4> How many times in a day the hr. & min. hands of a clock meet each other.

5> Structure A

```
{
 int x;
 float y;
}a;
```

union B

```
{
 int p;
 float ;
}b;
```

choices: 1.all the times a & b have same size, 2. such declaration r not possible

3. a & b have same size. 4.....

6> a simple qus on flow in a switch-case block.