

FULL QUESTION PAPER:

Company Name: IBM

Test/Interview Location: MKU, MADHURAI

Date of Test/Interview: 26 MAY 2006

Category: FRESHERS

IBM came here at MKU, Madurai on 26th May 06.

Selection process consisted of a written test, a technical interview and an HR interview.

Written Test was of 4 sections consisting of 55 questions in 1 hr (Test was conducted by meri-trac).

No negative marking.

Section 1(Verbal Ability):

Consisted of 10 questions.

5 questions were fill in the blanks. They were quite easy n were mainly based on prepositions
n use of articles

I got _____ in traffic and so got late (stuck / stuck up)

Mr. Banerjee was questioned _____ (for / with / to) his connection regarding the murder case.

___ Apple, _____ Banana, ___Egg

What is the meaning of therapeutically?

And more

There was a passage, a technical one (explaining Bank ATM's working), followed by 5 questions which were easy.

Section 2(Apti):

Consisted of 25 questions.

Some questions were on Venn Diagrams (easy ones)

In a party 10 ate fruits, 15 ate cereals and 8 both. What is the number of people who ate at least one?

In a college students can play cricket or basketball. 500 play cricket. 220 played both and 600 played basketball. What is the total strength of college?

In a school 10 can play cricket but only 5 can play both cricket and foot ball 8 can play only football .
what is the number of students.

Some were on data sufficiency. They were also quite easy ones.

Question on cube: there is 3 cube of each placed side by side. Each cube is subdivided into 64 parts each. 16 cubes from the top layer of 2nd cube was taken out and 32 cubes from the top 2 layers of 3rd cube. Then the whole object was painted.

Qs

1)what is the no. of cubes painted in 1 side alone?

2)what is the no.of cubes painted on 3 sides?

3)what is the no. of cubes painted on all 4 sides?

Etc

Some questions were on the following pattern:

In a binary system 1 is written as \$ and 0 is written as *. In this system as 1 moves to the left the value of the number doubles itself. (Clearly this was the problem of binary conversions.

You just needed to put \$ n *s in place of 1s n 0s after doing proper conversions).

Questions were how would nos like 65,252 would be written in the given system. (Just convert them to binary) and what is the LCM of 6,4,8?

Section 3(Attention to detail):

10 questions

Very easy section.

Questions were as to which of the following sets of alphabets, numbers, roman numerals were similar.

They were quite easy to pick out the correct ans

XXXIIV 2.XXXIVI 3.XXXVII

I & II r same

I & II r same

All r same

None r same.

Same model for numbers and alphabets.

Other set of questions were: If + is replaced by *, - is replaced by /, * is replaced by +, / is replaced by * then calculate $2/65*3+65-23$ and so on. (Just hold on patiently and calculate to check which of the given options is correct)

A set of questions were based as:

There were conditions given as to how a marketing executive would be selected and in the following

questions individuals with their qualifications were given. Based on the previous conditions given u

have to decide whether each one can qualify or not. (Easy set again)

Refer Verbal Reasoning of RS Agarwal

Section 4(Technical):

10 ques

Sum questions on C, database, unix etc

O/p of `printf("%d", printf("sum"))`;

Question on cardinality relationship in a ER diagram (Given)

Question on relationship in Hierarchical database

files can be accessed by _____ (library funs, sys calls, both, none)

Unix is _____(Multi-user & Multitasking)

Files in Bourne shell can be checked by(`test -f`, `if(file)`, `switch(file)`)

What is the time complexity of quick sort.

Interview (HR & Technical):

Many of my friends had only one interview having both HR n technical.

So be ready for that.

Interview was quite cool having general ques abt urself, strengths, value addition to the company,

why going into software, why IBM? Followed by sum basic questions on C n database.

Also be ready for questions on ur core subjects. Then questions like:
hv u faced challenges
in ur life n hw u overcame them n hw will u accomplish a project in a
group.

Write the Algorithm to find number of square in a given figure. One
question on GPS car navigation.

How to move randomly to a record in a given file. Tell me what u know
abt data structures.

Explain all the concepts of OOP with u as an Object.

FULL QUESTION PAPER :

Company Name: IBM

Test/Interview Location : KANPUR

Date of Test/Interview: 29 APR 2006

Category: FRESHERS

IBM came here at HBTI Kanpur on 29th April'06. I was among the
selected candidates. Selection process consisted of a written test, a
technical interview and an HR interview.

Written Test was of 4 sections consisting of 55 questions in 1 hr (Test
was conducted by meri-trac). No negative marking. Candidates doing
well in apti section were given preference.

Section 1(Verbal Ability):

consisted of 10 questions. 5 questions were fill in the blanks. They
were quite easy n were mainly based on prepositions n use of articles
eg Sweets were distributed _____students (options were like among,
between)

He had ___experience in driving(options were articles a/an or no article req)

Similar questions which I do not recall now..

There was a passage, a technical one (explaining how the operating system calls DLL files and executes them), a bit tough to grasp followed by 5 questions which were little inferential.

Section 2(Apti): Consisted of 25 questions.

Some questions were on Venn Diagrams (easy ones)

Some were on data sufficiency. They were also quite easy ones.

Question on cube: A $5 \times 5 \times 5$ cube is divided into 125 equal cubes. 3 cubes from the middle of each side from top n bottom face r removed n the 4 corner cubes of the middle layer are also removed. Now the cube is painted on all exposed sides. Questions were to calculate how many sides were painted on 1,2,3,4 or no sides.

Some questions were on the following pattern: In a binary system 1 is written as \$ and 0 is written as *. In this system as 1 moves to the left the value of the number doubles itself. (Clearly this was the problem of binary conversions. You just needed to put \$ n *s in place of 1s n 0s after doing proper conversions). Questions were how would nos like 65,252 would be written in the given system. (Just convert them to binary)

Section 3(Attention to detail): 10 questions

Very easy section.

Questions were as to which of the following sets of alphabets n numbers were similar. They were quite easy to pick out the correct Ans

Other set of questions were: If + is replaced by *, - is replaced by /, * is replaced by +, / is replaced by * then calculate $2/65 \times 3 + 65 - 23$ and

so on. (Just hold on patiently and calculate to check which of the given options is correct)

A set of questions were based as: There were conditions given as to how a driver for a school bus would be selected and in the following questions individuals with their qualifications were given. Based on the previous conditions given u hv to decide whether each one can qualify or not. (easy set again)

Section 4(Technical): 10 ques

Sum questions on C,database, unix etc. Tough to get through this section especially for a non CS/IT student like me. But u need to hold on ur patience n just do sum intelligent guessing. N ya do study C seriously.

Interview (HR & Technical):

I had only one interview having both HR n tech but many of my friends had 2 interviews separately. So be ready for that. Interview was quite cool having general ques abt urself, strengths, value addition to the company, why going into software. Followed by sum basic questions on C n database. Also be ready for questions on ur core subjects. Then questions like: hv u faced challenges in ur life n hw u overcame them n hw will u accomplish a project in a group. Also sum abstract ones like: Suggest 3 changes u wish in the mobile handset (shown by the interviewer). N ya be ready to ask them sum questions too. They wuld really appreciate that. If u can pick up points from their ppt it could leave a very gud impression. Be ready for sum grilling on hobbies too. Lastly be cool, be confident to leave a gud impression.

IBM – 2003

FULL QUESTION PAPER :

Company Name: IBM

Test/Interview Location : NIT, DURGAPUR

Date of Test/Interview: 17 OCT 2003

Category: FRESHERS

IBM PAPER - 17 OCT 2003 - DURGAPUR

I have got in IBM Global services (INDIA) through college (NIT DURGAPUR) campussing on 17th oct.The criteria was 70% B.TECH(IT/CSE/ECE)/MCA .

i'm very much grateful to the moderator of this wonderful group and all of the group friends who are continuing their efforts to continue such a helpfull group.

I am giving this IBM-2003(17/10/2003) paper of our college

IBM GLOBAL NIT DURGAPUR

Eligible: ->52(ECE+CSE+IT+MCA);

Cleared written: ->25(MCA-12,CSE-8,IT-3,ECE-1);

After interview: ->9(MCA-3,CSE-3,IT-2,ECE-1);

For ECE it is not easy to clear written. As they have not took ECE from any other colleges.interview question was mainly on ur v.t,c++ ,dbms,sql,unix.

written is important here, total no ques: 40(tech-15,apti-25

Technical paper 1/4 total 15

1>FLOP is the unit of i)clock speed,ii)frequency.iii)memory,iv) processors speed.


```
2>main()
{printf("hello");
main();
}
```

how many times it will print?

3>complexity of heap sort(ans: $O(n \log n)$).

4>what will be the o/p?

```
int main()
{
char a,b;
printf("%d%d%d%d",sizeof(` A'), sizeof(` NULL'), sizeof(` a'), sizeof
(main));
}
```

5>necessity of parity bit(ans: b).

6>what is the o/p?

```
#DEFINE xyz(exr)printf("exr==%d",exr)
main()
{
int x==3;y==2;
xyz(x/y);
}
```

7>simple question on graphs.

8> simple question on sql

9>files r there of size like 26543b,2000b,4000b,1000b
arrange them according to there access time.

Aptitude(TOTAL25)

1>>unit digit of 7^{173} ?

2>two train coming towards from dist 24 miles with speed 12 miles/hr ,a fly randomly flying between two trains at the speed of 18 miles/hr.how many distance covered by the fly before will collide?
(30,36..)

3>what is the increase of volume of a sphere if its radius increases by 10%?

4>a man climbing in a rock at 24 km/hr and downhill 36 km/hr.determine avg speed?

6>question no: (21-25,paragraph)

order will be (intelligent,weak,fat,tall,fair).there r some question.

7>a man scores 87 run in 17TH test and average incr by 3 runs .what is the total avg now?(39).

8>roblem on language(some percent known german,some knows French,some English)ans: 24.

9>here two same size glass one is filled $\frac{1}{3}$ of milk and other is $\frac{1}{4}$ milk.then the glasses filled with water and mixed,what is the percentage of milk now?

10>if the time required for write one digit is one second then how many time for $(10^{10})^{10}$?(ans: I)few day ii)millions of dayiii)one year iv)..)

11> in 1930 the age of one student is same as the last two digit of his year of birth and the case is same for his grand father also ,what is the sum of age his and his grand father?(ans: 80check).

12>blue socks: 4pair,red socks: 3pair,white socks: 2pair,how many socks one will take for two different socks .

13>what is the probability of 2 man will be born in a same month (ans: 1/12,1/6,1/24,1/2)

14>there is a square ground of side 14cm,two horses r there in two different point of the square such that they can just touch them, how much grass will not be covered by the horses.(ans: $14^2 - 2 \cdot \frac{1}{4} \cdot \pi \cdot (7 \cdot \sqrt{2})^2$).

15>a man is started his journey from point A he goes 1000km south then 1000km east ,1000km north,then 1000km west.where is he now. (ans: i)at point A ii)1000km east from A iii)..

II . FULL QUESTION PAPER :

Company Name: IBM

Test/Interview Location : BANGALORE

Date of Test/Interview: 29 SEP 2003

Category: FRESHERS

IBM PAPER - 29 SEP 2003 - BANGALORE - Aptitude

I wrote IBM paper today (29th sep 2003) at PESIT, Bangalore

2 Sections:

1. Aptitude
2. Technical

Time : 60 mins

both papers will be in our hand initially, so we can divide time in whatever way we want.

Aptitude :

1. like 3 consecutive prime adds to some no what is that
ans: both 49 and 59.

2. one person travelled 4 laps with the speed of 10,20,40 (or 30) and 60 kmph
and what is the average speed.
ans: 20 (sure)

3. like one student takes 20 mins if he goes with speed 15kmph and at what speed he should go to reach in 15 mins (nos are not same)
ans: 16kmph(but not sure)

4. there are 2 type of people group 'yes' who always says yes (they never say 'no') if they are not sure about they will remain silent. and other group name 'no' where the group of people always say 'no' if they are not sure they will remain silent.
thats it
now questions are

1) what will be the answer if i ask are u belong to group 'yes'

options are: they remain silent ,say yes, say no, either yes or no, can't be determined

2) Same question but if i ask are u belong to group 'no'

Answers for both above questions are not (not determined)

3) what will the other person say if ask are u belong to grou 'yes'

and etc

there were 5 questions first 4 u can do it last one little bit tough.

Spend some time on this u can do it.

4)

5)

9. Like from height of 8 mts on ball fell down and each time it bounces half the

distance back. so what will be the distance travelled

Ans: 24 (sure) like $8+4+4+2+2+1+1+0.5+0.5+$ and etc ..

answer is not 20

10. Like 6 cubes are arranged adjacently and given the perimeter and asked to

find the perimeter of one cube.

ans: if x is the total perimeter then $(x/14)*4$ leads to the answer.

but check it once u will be having plenty of time.

answer is 52 ($13*4$)

11. some data is given like this 10kmph in still water ship took some x mins and downstream

some y mins in same time

what is the stream value (q is not exat)

Ans: 3 (not sure)

12. some average problem like 16 students average weight and teacher joins them

Ans: 23 (sure) do this $(16x+40)/(x+1)$ will give the value.

13. some problem on square like to increase area by 69% by what percent side should be increased

Ans: square root of 169 i.e 13 (not sure)

14. no of rational nos b/w 0 and 5

ans: infinite

15. First day of 1999 is Sunday what day is the last day

ans: Monday

16. Bullets problem some x no of bullets are shared by 3 people equally . and each fired

4 bullets then the sum of remaining bullets is equal to initially division value

ans: 18 (sure)

17. bread problem, one come and eat half no of breads and something...

ans: 63(check it)

18. like A can do in 6 day and B can do in 8 and C can do in 12 days but b left after working for 6 days for how many no of day A and C should work

ans: 11(i don't think so this is correct)

FULL QUESTION PAPER:

Company Name: IBM

Test/Interview Location: BANGALORE

Date of Test/Interview: 23 AUG 2003

Category: FRESHERS

IBM PAPER - 23 AUG 2003 - BANGALORE

Here with I am sending you few questions from the IBM exam held at Bangalore on 23/08/2003.

The paper contains total 40 questions. Duration 1 hour. 20 ques from aptitude (R.S.Agarwal is more than enough for IBM apps.) 20 questions from technical OS, DBMS, C++, Software Engineering etc.

Aptitude:

1. If A can do a particular work in 8 days. B can do the work in 6 days. By C joining with them, they can finish the work in 3 days. If Rs.540 was paid to them, what is the share of C?
2. By selling a product a seller is gaining 10% on selling price. If he sells that product Rs.80 less, he would have been losing 10%. What is the cost price?
3. If A driver drives a car four times a lap 10,20 30,60 kmph what is his average speed.
4. If M persons are going for a party, then their share is \$D. If three persons were absent, then how much share will be increased for each individual?

(Solution: Average = D/M . Three absent New average = $D/M-3$)

Increase = New average - Average = $D/M-3 - D/M$)

5. If the radius is increased by 50%. How much will be the volume increased for a circle / Sphere in percentage.
6. One person is wearing Black and White shoes as his pair. If he has 20 white and 20 Black shoes. What will be the less number of times he have tried to take his correct pair of shoes?
7. The age of the grand father is the sum of his three grandsons. The second is 2 year younger than first one and the third one is 2 year younger than the second one. Then what will be the age of the grandfather.
8. in a grass field, If there are 40 cows, they could eat for 40 days. If there are 30 cows, they could eat for 60 days. Than if 20 cows, How much day they could eat?
9. If the size of the fruit is two times the size of the seed. Then what is the volume of the seed. (derive general equation)
10. Speed of boat in still water 10 kmph. If the boat takes 24hr in up stream and 16hr in down stream to cross the same distance, then what will be the distance covered.
11. How many times do the hands of the clock coincide in a day?
12. If a person is standing in room, that is having mirrors in all the four walls. How many images of the person will appear?

Technical

```
1. main ()  
{  
printf("%u",main);
```



```
}
```

what will be the output?

```
2. main()
```

```
{
```

```
int a,b;
```

```
int con;
```

```
a=b=2;
```

```
con (a==1) ? 1 : 0;
```

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

```
}
```

what will be the value of con?

3. Software Configuration Management process is _____

4. Data Integrity constraint is _____

5. Paging is _____

6. What type of memory could be accessed in least time?

I know this much only. They are having many sets of QP's. For each batch i think they are changing QP's.

FULL QUESTION PAPER :

Company Name: IBM

Test/Interview Location : BANGALORE

Date of Test/Interview: 09 AUG 2003

Category: FRESHERS

IBM PAPER - 09 AUG 2003 - BANGALORE

I attended the IBM test in Bangalore on 9th August 2003. I had applied in June 2003 and got a call on August 4th. I have been placed in Bangalore itself. I think it takes time in IBM for your resume to get processed.

The test consisted of 40 qs. A time limit of 60 min was given. It had 20 aptitude and 20 technical qs. For the aptitude part, if you prepare from R.S. Agarwal, that is sufficient. And for the technical part, the questions were from a wide variety of subjects including OS, DBMS, C++, Software Engineering etc.

The questions which I remember I have written below.

1. How many times do the hands of the clock coincide in a day?

Ans: 24

2. A question on time and work

3. qs. on speed and distance

4. five qs on sectors. In a pie chart the sectors were given in terms of percentages. Various questions were asked on it.

For e.g.

For each of these divisions the percentages was mentioned and something similar to the following questions were asked.

If 105 was scored, find which subject it is?

If the difference between Maths and Science is 25 which other 2 subjects have the same difference?

5. Software Configuration Management process is _____

6. Data Integrity constraint is _____

7. Paging is _____

8. What is the output of the following program

```
main()
{
printf("%u", main);
}
```

After the written test, I had a technical cum HR interview.

In the technical part, they asked me a lot of questions on my final semester project. They also asked me questions on DBMS, SDLC, OOPS concepts etc.

The questions which I remember are

1. What is the most important thing in database design?
2. Explain normalization technique as u would explain to a common man?
3. What are the steps in SDLC?
4. Which is the most important step in SDLC?
5. Is documentation a waste of time?
6. Draw a flowchart to find a number from an array.
7. What is error detection and where will u do it?

As for the HR part they asked me questions on my background. They also gave me a couple of situations like

if u get an offer from the 3 top companies which one would u choose?
After u joined IBM if u get a better offer from another company what will u do?

IBM- 2004

FULL QUESTION PAPER :

Company Name: IBM

Test/Interview Location : BANGALORE

Date of Test/Interview: 29 SEP 2003

Category: FRESHERS

IBM PAPER - 29 SEP 2003 - BANGALORE

I wrote IBM paper today (29th sep 2003) at PESIT, Bangalore

2 Sections:

2. Technical Time : 60 mins

both papers will be in our hand intially, so we can divide time in what ever way we want.

Aptitude :

1. like 3 consecutive prime adds to some no what is that
ans: both 49 and 59.

2. one persont travlled 4 laps with the speed of 10,20,40 (or 30) and 60 kmph

and what is the average speed.

ans: 20 (sure)

3. like one student takes 20 mins if he goes with speed 15kmph and at what speed he should go to reach in 15 mins (nos are not same)

ans: 16kmph (but not sure)

4. there are 2 types of people group 'yes' who always says yes (they never say 'no') if they are not sure about they will remain silent. and other group

name 'no' where the group of people always say 'no' if they are not sure they

will remain silent.

that's it

now questions are

1) what will be the answer if I ask are you belong to group 'yes'?

options are: they remain silent, say yes, say no, either yes or no, can't be determined

2) same question but if I ask are you belong to group 'no'?

answers for both above questions are not (not determined)

3) what will the other person say if I ask are you belong to group 'yes'?

and etc

there were 5 questions first 4 you can do it last one little bit tough.

spend some time on this you can do it.

4)

5)

9. like from height of 8 mts on ball fell down and each time it bounces half the

distance back. so what will be the distance travelled

ans: 24 (sure) like $8+4+4+2+2+1+1+0.5+0.5+$ and etc ..

answer is not 20

10. like 6 cubes are arranged adjacently and given the perimeter and asked to

find the perimeter of one cube.

ans: if x is the total perimeter then $(x/14)*4$ leads to the answer.

but check it once u will be having plenty of time.

answer is 52 ($13*4$)

11. some data is given like this 10kmph in still water ship took some x mins and downstream

some y mins in same time

what is the stream value (q is not exact)

ans: 3 (not sure)

12. some average problem like 16 students average weight and teacher joins them

ans: 23 (sure) do this $(16x+40)/(x+1)$ will give the value.

13. some problem on square like to increase area by 69% by what percent side should be

increased

ans: square root of 169 i.e 13 (not sure)

14. no of rational nos b/w 0 and 5

ans: infinite

15. First day of 1999 is sunday what day is the last day

ans: monday

16. bullets probel some x no of bullets are shared by 3 people equally .
and each fired

4 bullets then the sum of remaining bullets is equal to intially divsion
value

ans: 18 (sure)

17. bread problem, one come and eat half no of breads and something...

ans: 63(check it)

18. like A can do in 6 day and B can do in 8 and C can do in 12 days
but b left after working for 6 days for how many no of day A and C
shluld work

ans: 11(i dont think so this is correct)

FULL QUESTION PAPER :

Company Name: IBM

Test/Interview Location : BANGALORE

Date of Test/Interview: 17 JAN 2004

Category: FRESHERS

IBM PATTERN - 17 JAN 2004 - BANGALORE

The written test had 40 question. 25 apptitude

15 on technical

apptitude was much easier. U neednot work out the whole problem
just

by seeing them u can easily guess the answer.

technical question were

1. from database.

2 questuons c (sizeof() operator..sizeof('a') , sizeof(NULL))

one from networks.

two questions on data structures (time complexity of heap sort)

3 questions on OS

and one question on basic code. (ie pseudo code was given and error was asked)

Interview questions

tcp/ ip stack

osi layering model

protocols. (examples) and few more questions. on C/C++

questions on static int;

Pointers

size of pointers.

for some fellows the questions were on far pointers.

huge pointers.

and data structure