

Virtusa Company Profile

Virtusa Corporation (NASDAQ: VRTU) is a global information technology (IT) services company providing IT consulting, technology and outsourcing services. Using our enhanced global delivery model, innovative platform approach and industry expertise, we provide cost-effective services that enable our clients to use IT to enhance business performance, accelerate time-to-market, increase productivity and improve customer service.

Founded in 1996 and headquartered in Massachusetts, we have offices and technology centers throughout the U.S., U.K. and Asia.

"Virtusa" is a trademark of the company and a registered trademark in the EU and in India.

"Productization" is a service mark of the company and a registered service mark in the United States.

"Vrule" is a service mark of the company.

Virtusa partners with some of the world's largest financial services, communications services and media & information companies, as well as leading software companies. Most of clients are Global 1,000 members from following industries,

- Banking & Financial Services
- Insurance
- Communications and Technology
- Media and Information

2008 revenues at Virtusa Corp. totaled \$165.2M, while annual earnings equaled \$0.76 per share.

Industry Computer Software

Type Privately Held

Status Operating

Company Size 4,850 employees

2007 Revenue \$125 mil (62%)

Founded 1996

Address

Headquarters Address

Westborough, MA, USA 2000 West Park Drive,
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For more details please visit www.virtusa.com

Test Pattern

Hyderabad on May 21st 2010. There are 3 stages in the placement process:

- 1) Written exam
- 2) Technical interview
- 3) HR Interview.

Written Exam:

1. Verbal ability
2. Analytical and logical reasoning
3. Attention to detail
4. C and Data structures
5. Learning capability.

1.Verbal ability:

In this section, be thorough with the usage of articles(a, an , the). :

- 1) I met him _____year ago.

Ans: a

2. Know the difference between effect and affect.
- 3.Be good with prepositions(basic stuff)

There is also a comprehension passage but attempt this later. First complete the rest and at the last come back to this passage. There are 25 questions and you have to answer them in 20 minutes. So make sure you maintain a decent pace right from answering the first question. That's the key.

4. She's so shy that she won't even _____you in the face

Options given are: see, watch, look, and glimpse

Ans: look

5. I hope I _____reach home before it gets dark

Options given are: will, can, should, must

Ans : will

6. By the time the movie _____ i was feeling sleepy

Options given are: completed , finished, over, ended

Ans: ended

7. Neither of the sisters _____ for the mother

Options: cares, care, loafer, watch\

Ans: care

8. _____ among the stars is your favourite

Ans: who (not whom)

2.Analytical and logical reasoning: This is comparatively one of the tough sections. The trick here is the first few questions might not strike you at the first instance. But don't worry...just go to the questions which you know and then come back to the unanswered. This section contains 25 questions and the time is 30 minutes.

What to expect:

1) Questions from blood relations, puzzles.

Questions are like...200 people drink coffee and 110 drink tea and 250 drink both. So how many people drink coffee only and tea only and stuff like that (do refer R S AGARWAL for all these topics)

2. There are 4 Mondays and 4 Fridays in the month of January. So on what day of the week would be the 24th?

Ans: Thursday

Questions from cubes like cutting a particular number of cubes and colouring them and questions on the faces uncoloured and stuff. Problem on probability (simple). Be good with venn diagrams also.

3.Attention to detail: This section contains 20 questions and 20 minutes. Easiest of all the sections but having said that you need to put your focus on them properly.

1. 44556677 44556678 44556677

Are all the above same?or 1 and 2 are same? Or 1 and 3 are same? Or neither are same?

Atleast 5 questions will follow the same pattern.

Then comes mathematical operations. Eg: + stands for -, / stands for *, - stands for /. Then perform the following operation: $25+32-6*7/8$

Atleast 5-6 questions follow the same pattern. But there is a twist here. There are 2 questions here which will make u slog around and work out all the options. So leave those 2 lengthy questions for your own good and work the rest. They expect you to work on those questions and leave the rest. So don't do that. The rest all questions are easy, provided you haven't made any silly mistakes out of over confidence. I do that on a regular basis.

4. C and Data structures: This is the lengthiest of all the sections and you need to be smart here. 40 questions in 40 minutes. There are few questions on c but many on data structures. First be good at basics of c (format specifiers, pointers, arrays, conditional operator, relational and logical operator)

Data structures:

1. Which of the following is stable?

Options (selection sort, insertion sort, both of them, neither of them)

Be good at the applications of stacks and queues. There will be few theory bits, so try to score more on them. They will give many code snippets and u need to compute the output. Leave the lengthy programs as they are given to waste your time. The trick here is go for the theory and small programs bits.

5. Learning capability: Here they will give a passage for you to read for 15 minutes and then will snatch away the papers and will give you another paper which contains questions on the passage you have read. They won't allow you to note points while reading the passage. So just read the passage, get the theme of it, remember the abbreviations used, and try to remember the entire passage. (not so tough and not even easy). You will have to answer 10 questions in 10 minutes.

On the whole:

Nobody expects you to answer all the questions correctly. So just do not waste time in questions you don't know or are lengthy. Trust me as their main intention is to waste your time and divert your attention to lengthy questions. Don't fall into that trap. The main trick is try to answer as many as you can in the 4 sections (verbal , analytical, learning, attention to detail). These are the 4 sections that are scoring . Coming to C and data structures, it is a very important section and try to answer atleast 55-60% of the questions correctly as there might be a sectional cutoff here. On the whole, there are 120 questions and if you ask me, I would say answering correctly something above 70 will always place you in the probable (that's why I said score maximum in those 4 sections but beware of the sectional cutoff in c and data structures). The exam might be

sapping for you to sit through 2 hours and 15 minutes and some might have issues with your concentration levels dropping but keep control of it. And sometimes your mind becomes blank when there are consecutively 10 -15 questions which u can't answer, many people lose the plot here and screw up the questions which they know with tension. Don't be a victim of it. Keep moving boldly even if u can't answer many. That will do the trick!!!!!!!Love you all and do well!!!!!!! And please do study RS Agarwal (verbal and non verbal reasoning)This book will surely help you.

P.S The exam will be conducted by MERITRAC on behalf of Virtusa and they will at their level best try to distract you with their shit talking in between. Don't pay any heed to it and carry on!!!!!!

2 February 2011

Selection procedure:

1. Written test.
2. Technical round
3. HR

1. written Test: consists of six sections.

a. English (20q 30min)

Consists of 2 reading comprehensions each with 5q, next preposition and articles next 10q. options are nearly same and confusing. Time management is important.

b. Logical reasoning (30q 30min)

Consists of syllogisms, statement conclusions, statement arguments, 1 puzzle its simple, decoding, guessing the next figure, data interpretation. Here also time management is important.

c. Programming (c/java) (20q 20 min):

programs on structures, pointers, arrays were asked. mostly on for loops also. flowchart was given a question was asked.

d. technical (20q 30min):

this was completely theory based. They asked questions like worst case complexity of AVL tree etc. its some what easy compared to other sections.

e. learning ability? (10q 10min): first a passage is given and we are asked to read for 15 min and later they took away the paper and asked to answer the questions.

f. mail writing.

we were given a situation and asked to reply through a mail.

Totally there were 100q and exam lasted for 2 1/2 hrs.

luckily I got through the test and later i got to know that i scored 53 so cut was around 50 I think.

2. Technical interview

My interviewer was cool. he asked me basic questions like diff between stack and queue and asked to write a stack program.

they were asking for a subject other than c were guys were good at. asked few qs from dbms like ACID properties, normalization and 3nf like that. i think they just for spontaneity

I cleared this section also. I was first to clear this and immediately they called me for hr.

3.HR:

HR mam was cool asked qs that weren't common like she wants to know how we respond for unprepared questions.

Some of them were:

- 1.tell me something other than from ur resume
- 2.explain or support how ur a self motivator.like i wrote it in my resume.
- 3.who is ur role model in software industry.why?

she asked me to wait untill all were interviewed.I am the first to complete technical and hr.around 11.30 am my all rounds were completed and results were announced at 4pm.Luckily my name was the first to be announced.

I am very happy to be virtusian!!!!!!

All the best!!!never give up!!Always be positive

Aptitude - General

1. A problem from sum of Alphabets are given numbers from 1 - 9 we hav to assign numbers to alphabets and $A+B+C=$ something like that we have to know value of E (Ans : 4)
2. $x^y=2x+y$ and given that $2^a=a^3$ find value of a?(Ans : a=1)
3. In an exam consists of 150 questions, 50 questions are of mathematics and remaining are others. In which twice the time is to be given to mathematics bit when compared to others.total time is 3 hrs then how much time is to be given to each bit of mathematics? (Ans : 72 sec or 1 min 12 sec)
4. In an multiple choice question paper, each correct answer carries 4 marks and each wrong answer deducts 2 marks. a person scores 480 marks in a 150 questions paper how many questions he did correctly? (Ans :130)
5. A problem on mixtures
6. A problem on ven diagrams. It was a little bit lengthy to read and to remember ...sorry
7. A simple problem on probability.....its direct question. A bag contain 5 red and 7 green balls and another bag contain some no. of red and green balls.He asked to find probability of finding a red ball.
8. A problem on work and time. A can do a work in 6 days B can do same work in 8 days, C can complete the same in 12 days.A under took 3 works like that and did for 8 days and left. Then B started work and did for some days and left then in how many days C completes this work?
9. $y=\text{inv}(\cos[\cos x+4\sin x]/\sqrt{17})$ then $dy/dx=?$ (Ans :1)
10. total M persons want to buy a gift of D Rs. Out fo which 3 members are dropped out so how much each person have to pay extra ? (Ans: $3D/m(m-3)$)(check)

11. A problem is on series $1 + 1(1+1/n) + 3(1+1/n)^2(\text{square}) + 5(1+1/n)^3(\text{cube}) + \dots$ find sum of n terms
(I not did this problem)

12. A monkey trying to ascend a greesy pole. He ascends 20 mars in one minute and goes down 4 mars in next minute. how much time it will take to ascend pole of 96 mars? (Ans: 10 min 48 sec)

13. On a good if 25% discount is given, he will earn profit of 25% what will be profit if he gives 10% discount?
(Ans: 50%)

14. I don't remember what this question issorry

15. A container has 64 lit of alcohol. 8 lit of which is removed and added with same amt of water. the same process is repeated 3 times. what is the percentage of alcohol after the end of the operations.

Ans- formula - initial vol - p lit (64).

Vol of removed sol - q lit (8).

no of oprs - n(3).

Concentration of first liquid after oprts is - $((p-q)/p) * ((64-8)/64)^n$.

16. $x+y+z=0$, find the value of $(x^3+y^3+z^3)/xyz$.

17. 3 men n 2 boys can do piece of work in 12 days. same work is done by 6 men n 1 boy in 6 days. find how many days can a man alone can complete the work?

18. In an exam the maximum marks is 500. a got 20% more than b, b got 25% less than c, c got 20% more than d. if b marks are 360 then how much did d score? (no. r different prob type is the same.).

19. A tank holds 25 gallons of fuel. before going for a drive which is at a distance of 600 miles. the car goes at a speed of 60 miles per/ hr. however the tank has a

hole and fuel leaks out . after travelling a distance of 300 miles, the tank gets emptied. find rate at which fuel gets lost.

Section II

This paper is on C language

1. Write a program to know whether string is palindrome or not?
2. A C program is given and asked what will be output.....
3. A Recursive function is given asked what will be output how and why?
4. write a prg / function to remove the duplicate from a sorted array. (8 m)
5. write a prg to genrate fibonacci series upto 100 recursively. (7 m)
6. predict the output of the following:

```
char c[]={ " enter" , "first" , "print" , "new" }.;  
char **cp[]={c+3, c+2, c+1, c};  
char ***cpp[]={cp};  
printf("%s", ++*cp);  
printf("%s",--*++cp);
```
7. A program given and asked what are variables value1 and value2 stores?(ie, in that program they store GCD and LCM)
8. Write a program to sort linked list.

Section III

- 1) & 2) are like critical reasoning in barrens
- 3) & 4) are antonyms (he didn't ask antonyms directly but asked the word in capitals if replaced by any of following, that would be inappropriate in context)
- 5) & 6) analogies

7) & 8) correct the sentence with appropriate answer from the options given below

9) & 10) are pick oddman out.....easy one

Essay writing:

1) Time and tide wait for none.

2) My vision 2020 of India.

VIRTUSA PAPER ON 28th JUNE AT HYDERABAD

It consists of 3 rounds

- 1) **Written test**
- 2) **tech interview**
- 3) **HR interview.**

There is no GD

Written test consists of 5 sections

- 1) Analytical ability-20m,30min
- 2) Verbal ability.30m,20min
- 3) Attention to detail-20m,20min
- 4) Technical-40m 30min
- 5) Reading ability.-10m 20min

1st section is verbal ability it consists of

- 1) Rc 5m
- 2) articles 10m
- 3) select appropriate meaning 5m
- 4) some stuff like find out errors 10m

Articles are very simple like names of large cities followed by in & villages by at just based on this he asked 4 questions other also very simple We can get synonyms by context I think no need to prepare for that. Errors also easy this paper is made by MERIT TRAC so you can prepare questions from IBM also

2nd analytical ability is somewhat tough it has a cube problem 3 cubes are placed horizontally and cutted into 64 (each cube) & then 1st one line (4*4) row of second & 1st 2 rows of 3rd cube are removed & painted black all sides now que are

- 1) how many cubes are only 1 side painted
- 2) how many cubes are 2 sides painted
- 3) how many cubes are 3 sides painted
- 4) how many cubes are no side painted

and 2 problems on time & distance 1 started with a speed 20kmph & then 2 started after 30 min 1 when started with a speed of 25kmph and 3 started after how many min with a speed 40kmph to reach all 3 at same time?

Some thing like that but easy

Attention to detail this is very easy section & que on decision making are some twisted be prepared from R S Aggarwal's VERBAL reasoning. Der are some que

based on binary numbers 5 prob r given $\$=1,*=0$ then what is value of $\$ \$ ** \$ \$ / ** \$ * \$ \$ \$ \$$ like this

Technical this is hardest in all sections we hav to do 40 q in 30 min & der r 10 programmes each of 1 ½ page length don't do them first be prepare from DS especially from linkedlist&trees most of d q r based on that

READING ability they given a 2 ½ page material on pipelining of microprocessors is given followed by simple q s

They said there is sectional cutoff but I hav seen my answer paper & I got 76 out of 120 n der is nothing abt sutoff marks on dat sheet

19 JUL 2008 Paper

The process of interview is

1. Written Test
2. Technical Interview
3. HR interview

The written test is organised and conducted by Merit Trac People

The **Written Test** consists of

1. English grammar
2. Analytical Reasoning
3. learning and thinking ability
4. C and Data Structures
5. Document Reading

1. English Grammar: It consists of English grammar part, Correction of sentences, paragraph reading

eg: 1. He ran ____ the road.
ans: across

Be thorough with prepositions, correction of sentences. The grammar part is very easy. No need to worry of it.

2. Analytical Reasoning: It includes puzzle test, aptitude and other's. better to follow Verbal and Nonverbal by R.S. Agarwal. this section is also very easy, pay attention to it in the exam its enough

The puzzle given to me is about venn diagram

eg: There are 49 persons who had to travel by train, bus, plane.....
15 of them go by train and bus
12 of them go by all of the three... just simply the venn diagram of three circles intersecting each other.

3. Learning and Thinking ability:

It is very Logical and just concentrate very carefully.....the process will be like

eg: * stands for +, / stands for - ,+ stands for * ,- stands for / etc;
others are also simple...

4. C and Data Structures:

Mainly this is very typical section. I think this is the elimination round...

the total section deals with C with 20 questions, data structures with 20 questions and programs are small, medium and long. don't start with long programs...they are very difficult. leave them and try the small one....

Just be thorough with Basics of C and Data structures you can attempt nearly 15 questions....

5. Document Reading :

This section consisting of giving three pages of document of recent technologies. I got the topic of security about internet....
just pick out some of interesting names and note it.

after 10 min they take the papers and will give 10 questions about the document.....

Technical Interview:

The questions mainly include about the c and data structures...

1. Programs about linked list, sorting, trees....
2. About the computer networks ie on OSI reference model.....

HR Interview:

The HR interview has also been good.. just be confident about your self, your goals...
always be confident and positive

Never ..Never...Never...Give up.....