

MindTree Placement Paper

We(BIT)had mindtree at campus May 05 2005. We had three rounds.

1st round written test, 20 q's and 2 programs. 30 mins for aptitude and 15 mins for coding.

I remeber few q's:

1) sum of $1^2 + 2^2 + 3^2 + \dots + 99^2$

a)0 b)1 c)3 d)2

2)a pipe can fill a tank in 5 hr. With a leak in tank it takes 6 hrs to fill. How many hrs r required by the leak to empty the tank.

3)50 lit of water frm which 5 ltr is replaced with alcohol. Again 5 ltr from the mixture is replace by 5 ltr of alcohol. The ratio of alcohol to water is ?

a) 1:4 b) 41:50 c)19:81 d)81:19

4)A car takes 3hrs less than a truck to cover the distance frm Bombay to pune(192 km). The speed of the truck is 16km/hr slower than car.

Find the speed of the car.

5)A boat travels at 10 km/hr in still water. It travels 91 km downstream and upstream in 20 hrs. Find the rate of flow of the river.

a)2 b)3 c)4 d)5

Two progs:

1) There r 1..n numbers placed in an array in random fashion with one integer missing. Find the missing integer.

2) convert postfix expression to infix expression.

2nd round was G.D.

we had the topic : Traffic in bangalore.

3rd round.

Personal Interview.

I hope this information will be of some use.

MINDTREE

This is mindtree paper consists of 2 sections.One is aptitude which has -ve marking .each one carries 3

marks for correct ans and -1 for wrong one.section B has no -ve marking and carries 2 marks each

one.Duration is 1 hour.

1.find out the area of given shaded part in a graph?

Ans:2

2.which one of the following is not right angle triangle?

Ans: D(9,16,12)

3.sum of the consequent 7 integers some 1613. Find the no. of prime numbers in that sequence.

Ans:2(check it out)

4.total no.of players is 99 other than me.50 plays soccer,45 plays basket ball,50 play valley ball.15

play all three.How many will play only 2 games/

ans:15(check it out)

5.fresh mangoes have 70% of water in weight, dry mangoes 20% of water in weight..what is the weight of

dry mangoes if weight of fresh mangoes is 20kg .ans(d)

a)6.68kg b) cannot be determined c) 6.0kg d)6.6kg

6.total 63 matches are conducted in Knockout match type.How many players will be participated in that tournament?

Ans:64

7.find out next one.

B A C B D C E D F ?

Ans:E

8. X is min of $\{n+5, 6-n\}$ then what is the min of X if $0 < n < 1$?

Ans 5.5

9.2 can type 2 pages in 2 minutes.how many typist can type 18 pages in 6 minutes?

Ans . 6

10.Coconuts are arranged in piles in the order of

10,9,8,7,6,5,4,3,2.Hence he got shortage of 1.what is the min no.of smallest coconuts?

Ans . lcm of above - 1 = 2219(check it out)

11. $p+q+r=0$,then what is value of $p^2/qr+q^2/pr+r^2/pq=?$

Ans.3(check it out)

12. In a class boys are 25% more than girls what is ratio of total boys and girls

Ans .5:4(actually ans is given like 5.;3)

13.How many 3 digit no. are there when divided by 7 or 8 leaves remainder 4?

Ans .17(may be ,check it out)

14.if it were 2 hours later it will be half as long until the mid night, as if it were be as half an hour later.what is time now/(may be 21 if it is there)

a) 18.30

b) 23.30

c) 22.30

d) 23

15.

16

.data comparisons

17. A. total no.days in a four consecutive years

B. no. feets in 487 yards

ans:both r equal

18. A. external dimensions of a box is $2\text{cm} \times 4\text{cm} \times 5\text{cm}$ how many boxes are there in box of internal dimensions

$20 \times 40 \times 50\text{cm}$ B. this is also samemodelA

19.A. $(66+34)/(0.66+0.44)$

B. $(65+35)/(0.65+0.35)$

a) A is greater than B

b) B is greater than A

c) Both are equal

d)some

SECTION B(analytical)

I A. There will be given 4 conditions . depending up on them following questions have to be answered.

a) P may not come if either R or S come.

b) if G comes S comes

c) if H comes K comes

d) another one

There is one more question like this ,so prepare for analytical

2. one stars at home at 10.00a.m and reaches bus stop at 10.20.then he returns back home finds that

it is 10.30am .if walking speed is same, is that watch is slow or fast and how much

ans . 5 min slow(check it out)

3. she can earn Ph.D unless she is poor at GRE or she doesn't receive any scholarship which

one of the following is not true?

Ans A

Date: On Oct 2nd, I attended Mindtree consulting at Bangalore, it was for 1 to 3 years experienced on .NET (VB.NET, ASP.NET & C#.NET) , I hope this will help thousands of Job seekers who are trying for a job on .NET technology.

- 1) Can .asp & .aspx pages work if placed in same virtual directory?
- 2) Does different versions on .NET framework & different versions of assemblies work side by side (Clue: Side by side execution)
- 3) Can you typecast one Object type to another Object type or One object type to another data type (Clue: Boxing & Unboxing)
- 4) A question about GAC(Global Assembly cache) and the files it contains?
- 5) A question about Application Domain and does it interfere with OS Process.
- 6) A question on session timeout on an asp.net page and whether the session time out duration depend on the duration set in code or does it depend on IIS(Internet Information Services) setting and if both are specified which setting overrides which? Also whether it will take smaller time or greater time in to consideration.
- 7) How can assemblies be created in .NET ? (clue: Using visual studio.net (or) using al.exe (or) using reflection.emit)
- 8) What is a satellite assembly and what does it contain?
- 9) Also 4 to 5 questions were on assembly. I recommend to have a dissected look of the assembly.
- 10) What will an Erase command do? Erases the contents of array or Erases the whole array structure & frees memory.
- 11) How is anchoring different from docking? (clue: its related to windows/web controls)
- 12) What is serialization in .NET? What are different types of serialization and advantages and disadvantages?
- 13) Are RCW(Runtime Callable Wrapper) and P/Invoke different and how?
- 14) What is Strong Naming? What details does it contain? how can it be created (Clue: Using SN.exe)
- 15) What information does Culture identity contain?
- 16) What is a Diffgram? (Clue: Related to XML)
- 17) What is UDDI(Universal Discovery Description and Integration) ?
- 18) Also a program on Exception handling was given and asked which part will execute and which throw an error?
- 19) What is Managed and Unmanaged code in .NET?
- 20) Can we use redim on array already declared in VB.NET? if yes, can we redim with in a class? within a module? or with in a program?

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a) 2 b) 3 c) 4 d) 5

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