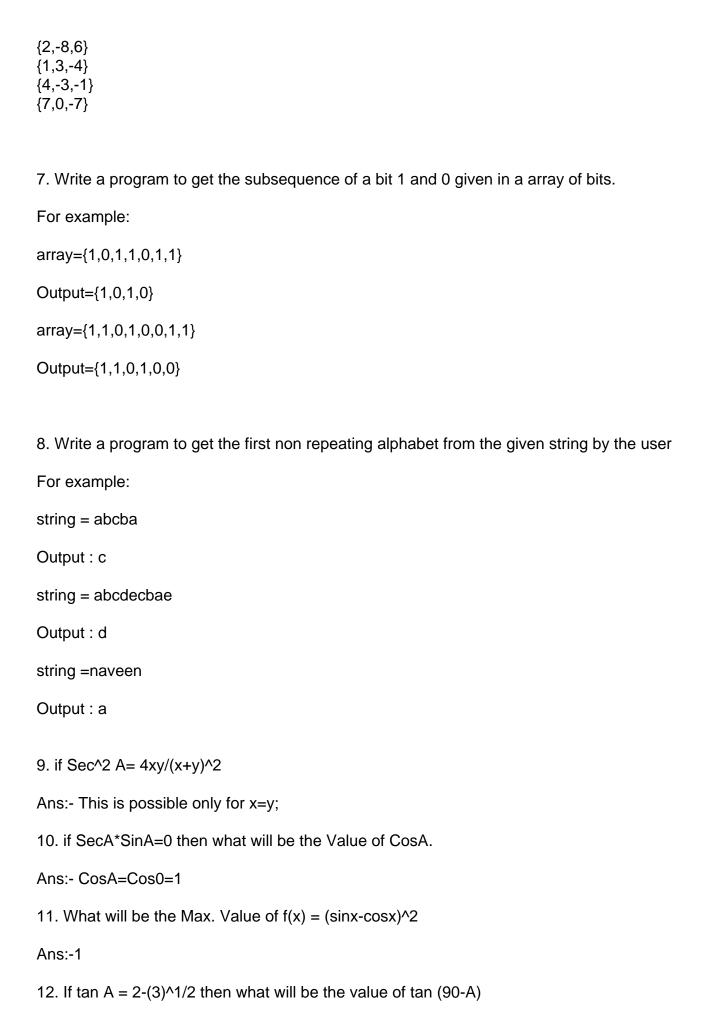
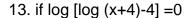
Provided by www.YuvaJobs.com - Nagarro Placement Paper New delhi 2012

```
2011 Nagarro Placement Paper:-
1.sinx+sin2x=1,then cos2x+xos4x=?
a)1 b)3 c)0 d)none
2.cos 30d/sin 10d + cos 59d/sin 31d =?
a)1 b)2 c)3 d)4
3. x pow (a+b) . x pow(b+c). x pow (c+a)/ (x pow(a). x pow(b) . x pow(c)) pow(2)=?
a)0 b)1 c)8 d) 5
4. length of minute hand is 5.4 cm, area covered by this in 10 min is ?
a)50.97 b)57.23 c)55.45 d)59.14
5. Write a program to check whether 2 strings given by the user are anagram strings or not.
For example:
str1: Are you engineer.
str2: You are engineer.
Output: yes
str1: Am i fine.
str2: I,m fine.
Output: No
str1: Am i fine.
str2: I am fire.
Output: No
6. Write a program to find out the combination of an element of each array gives a result 0.
For example:
array 1: {2,1,4,7}
array 1: {3,-3,-8,0}
array 1: {-1,-4,-7,6}
Output:
pairs =
```



Ans:- 2+3^1/2



7 5 then what will be the value of x.

Ans:-4

- 14. What will effect on the Area of a triangle if the side of triangle just double from their original Side.
- 15. Two question based on ven diagram.
- 16. One Question on profit and loss such as if a shopkeeper sell 960 gm sugar in respect of 1000g at same price then what will there profit .Ans:- 25/6
- 17. How Many no. Between 1000 to 9900 in which four digits of number are different.
- 18. if xy = 6 and $x^2y + xy^2 + x + y = 9$ then find out the Value of $x^2 + y^2$
- 19. First Question was base on Blood relation . it was such that if A, B, C, D, E, F, have relation with J as Father, Brother, Daughter, Aunt , Mother, Wife Unorderly and there was given condition such as
- 1) A and B have not same Sex
- 2) D, E have Same Sex
- 3) E born Before A.
- 20. An array of size 5X5 is given to us. The elements from 1 to 25 are to be inserted in the array, such that starting from a particular position for an element i, the next element i+1can be inserted only at the mentioned positions (u,v), and if these all positions are occupied then it returns giving a count of how many positions have been occupied in the array:

```
(u,v) = (x+/-3, y)
```

$$(u,v) = (x, y+/-3)$$

$$(u,v) = (x+/-2, y+/-2).$$

Nagarro palcement paper In Banglore campus recruitment in 2011

Q:-1 find the all possible combination of digits ranging 1 to 9 whose sum is 10, no digit shud be repeated in any combination.

1234

127

136

145

19

235 28

37

46

Q:-2 if there is a matrix A[][] of order m and another matrix B[][] of order n such that (m>n) you have to find the occurance of matrix B[][] in matrix A[][].

A[5][5]=1,2,3,4,5

```
5,4,1,9,7
2,1,7,3,4
6,4,8,2,7
0,2,4,5,8
B[3][3]=1,9,7
7,3,4
8,2,7
this matriix B exist in A
Q:-3 Take an array of 100 elements and fill it with the no 1 to 100 such that
one no shud skip and one no shud repeated. Find the no which is repeated and
which is skipped.
Technical Part
Q1. Write a program to check whether 2 strings given by the user are anagram strings or not.
For example:
str1: Are you engineer.
str2: You are engineer.
Output: yes
```

Q2. Write a program to find out the combination of an element of each array gives a result 0.

str1: Am i fine. str2: I,m fine.

str1: Am i fine. str2: I am fire.

Output: No

Output: No

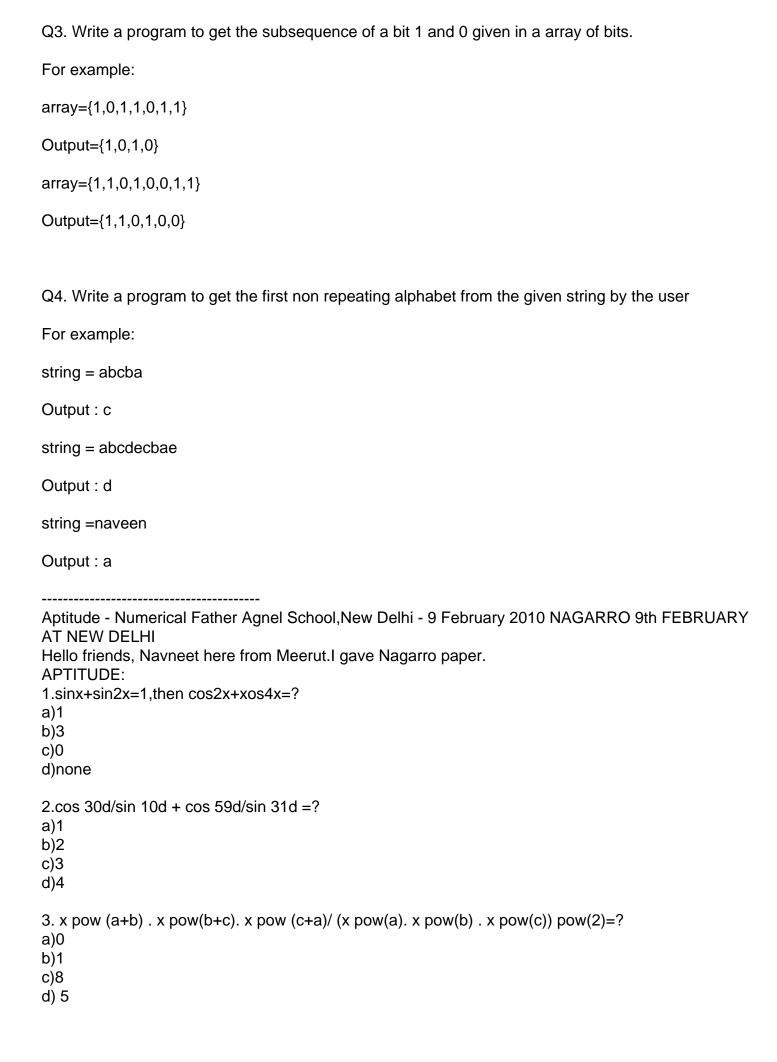
For example:

Output:

pairs =

{2,-8,6} {1,3,-4} {4,-3,-1} {7,0,-7}

array 1: {2,1,4,7} array 1: {3,-3,-8,0} array 1: {-1,-4,-7,6}



b)57.23 c)55.45 d)59.14
Programmin section 1.30 hrs 4 question. 1)Seat Planing Write a function for seat allocate and seat reserved. Seat allocate array and seat reserver array. Seatallocate array is of 10*20 and each row and column represent A1,A2;B1,B2;J1,J2 andso on i.e row are A to J whereas col starts from 0 to 19.Each cell in the table represent either 0 or1. 0 rep seat available, 1 repr seat reserved. Seat allocation starts from highest to lowest. And row j is highest, i is second highest and so on. Max 20 seats can be booked at a time. if seat is available print the seat no like "B2" i.e (2 row, 3 col)and seat is booked." otherwise Print "Seat is not available."
2) A string of charater is given. Find the highest occurance of a character and display that character. eg.: INPUT: AEGBCNAVNEETGUPTAEDAGPE OUTPUT: E or I,J(if equal occurance) 3)Remove all the blank spaces between character. Matrix is of 10* 10. eg: INPUT
N A V T
G U P
T A
OUTPUT:
 N A V T
G U P
T A
4)write a function to give demostrate the functionality of 3d in 1d. function prototye: change(int value,int indexX,int indexY,int indexZ, int [] 1dArray); value=what is the date; indexX=x-asix indexY=y-axis indexZ=z-axis and 1dArray=in which and where the value is stored.

4) length of minute hand is 5.4 cm, area covered by this in 10 min is ?

a)50.97

Whole Testpaper Pce, Jaipur - 19 February 2009 NAGARRO 19th FEBRUARY AT JAIPUR Hello Friend, Ajay Here. I just decribing here at Paper Procedure Which held at PCE, Jaipur on 19 feb.2009, Mainly for nagarro Selecton procedure 3 round conduct In Round first.

40 Question in 90 minutes.

There Mainly two Section.

Apptitude Section:-

Apptitude Section there was 40 question

This Section divide in two part.

1) Mathematics part:-(20 Question) Trignometry, Profit and loss, Ven disgram, Sphere, Trinagle problems

Some Question in Mathematic was such as

1) if Sec^2 $A = 4xy/(x+y)^2$

Ans:- This is possible only for x=y;

2)if SecA*SinA=0 then what will be the Value of CosA.

Ans:- CosA=Cos0=1

3) What will be the Max. Value of $f(x) = (\sin x - \cos x)^2$

Ans:-1

4) If $\tan A = 2-(3)^1/2$ then what will be the value of $\tan (90-A)$

Ans:- 2+3^1/2

5) if $\log [\log (x+4)-4] = 0$

7 5 then what will be the value of x.

Ans:-4

- 6) What will effect on the Area of a triangle if the side of triangle just double from their original Side.
- 7) Two question based on ven diagram.
- 8) One Question on profit and loss such as if a shopkeeper sell 960 gm sugar in respect of 1000g at same price then what will there profit .Ans:- 25/6
- 9) How Many no. Between 1000 to 9900 in which four digits of number are different.
- 10) if xy = 6 and $x^2y + xy^2 + x + y = 9$ then find out the Value of $x^2 + y^2$
- 2) Reasonong Part:- Mainly there was four question and each question divided in 5 Sub Question
- 1) First Question was base on Blood relation. it was such that if A, B, C, D, E, F, have relation with J as Father, Brother, Daughter, Aunt, Mother, Wife Unorderly and there was given condition such as
- 1) A and B have not same Sex
- 2) D, E have Same Sex
- 3) E born Before A.

Then Find out the following Answer.

2) Second Question was based on A Contract.

These All question from R.S. Agarrwal. So Please refer them for Practice because it is Very time Consuming Part.

Technical Paper:-

Second Paper of Round 1 total Technical. There Was four Question one Quest ion i Remember was such as

Q.1 A string of character is given. Find the Continous Occurance of a character and display that character.

eg.: INPUT: AAAAAAEGBCNAVNEETGUPTAEDAGPE

OUTPUT:

A or if Same then A and D.

Q.2 One guestion was base on Hash Table related Teacher, Their topic,in A 20 days Period.

Q.3 Based on link list where one pointer Point the Next Node and Second Show their Sub Node.

Towrite a Fuction Which Return the largest integer Value.

Second part

1.a function input(int[] array) was given and we had to enter any number and the entered no./should convert into absolute no like 4578, 6789, 1234 etc means the no should convert into/incresing nos. 2.A mXn matrix was given and rows and coloumn were sorted as shown below then we had to/write a function that search a desired entered no in the matrix .with minimum complexity

1234

5678

9 10 11 12

13 14 15 16

3. There is a array of 99 cells and we have to enter 1-100 elements in it, no two elements wouldrepeat, so the is one no. missing because 99 cells and 1-100 nos. sowe had to implement a function to find that missing no.

Provided by www.YuvaJobs.com - Nagarro Placement Paper New delhi 2012