

## ORACLE PAPER @ NIT- WARANGAL(2004)

paper having two parts.

part 1: aptitude test -30question (20min)  
part 2: technical Test -30question (20min)

Part 1:

1)find the range of  $x^2x - 5x + 6 > 0$   
 $X = 3$

2)if  $5x^2x + 14x + k = 0$  having two reciprocal roots find the value of k.

3&4)two sentence are given ,in between four sentence are given in change order. (like between 1 & 6 ,abcd four sentence are given 1 a b c d 6)  
Find the correct order?

5)if first term of AP is 5 .16th term is 45.find the sum of first 16 terms.

6)x,y and z are odd no. not necessarily in sequence.then  $y = ?$

(1)mean of x and z is 114.  
(2)mean of y and z is 113.

Ans: 115

7)ram is 27 year old then mohan.after 7 year ram age is thrice as mohan age .find ram age?  
Ans : 67/2

8)if three tapes are filling a tank of capacity of 500lit with speed of 30lit/sec,48lit/sec and 36lit/sec. Find after how long time tank will fill?  
Ans : 500/114

9)find the root of given eq  $x - 2/(x - 1) = 1 - 2/(x - 2)$  if possible.  
Ans :  $x = 0$

10)find the point of intersection of\  
 $15x + 9y = 15$   
 $5x + 3y = 21$

Ans : NO

11)suppose in a pot 20 cards are there label 1-20 on that. find the probability of getting two prime.

Ans :  $8/20 = 2/5$

12)in an island three persons are there Jam ,Dam and Sam .sam having pencil,dam having cap and Jam having book .we have find who is author among them if

(1)Sam says ,Jam is author but author wearing cap.  
(2)Dam says ,I am author ,but author not having cap.  
(3)Sam says, I am author ,but author having note book.  
Find who is author?

Ans : jam

13)Jo ,Do and So are three person.

(1) So says Jo is football player, I also football player.  
(2) Do says Jo is football player, I also football player.  
(3) Jo says Do is football player, I also football player.  
Find the football player among them.

Ans : jo

14-16)question based analogy . like LION:CUB find the pair in given choice.

17)in a basket 3 mangos,4 apples and 4 bananars are there. Find no of ways we select randomly 3 fruit from basket?

18) if  $a^x = b^y = c^z$  and  $b^2 = ac$  then find  $x + z/xz = ?$   
Ans :  $2/y$

19) $(\log a)^2 - (\log b)^2 = ?$   
ans :-  $\log a - \log a/b$

20)in a 60 liters of mixture of spirit and water is 7 % . in order to make water 19%,how much water should be added.(some thing like this)

21-25)A one and half page length passage will be given and 4 to 5 questions will be asked based on this passage.

26)

Technical part:-

pattern: 1) pl/sql—>7 quest

2) java—>5 quest

3) c & pointers—>9 quest

4) dbms and dtd's—>5 quest

5) ds—>4 quest

some quest are here:-

1.what is not a c- storage class

Ans.stack

2.if dba creates one user what are the privileges the user will get?

3. which keyword is used to const in java

Ans. final

4.char \*array[4]={”some string”}  
printf(”%d”,&array[4]-(array));

Ans.4

5.remote object will be in the package

Ans.java.net (verity it)

6.#define sq(a) (a\*a)

printf(”%d”,sq(3+2));  
Ans.11

7.#define max 20

printf(”%d”, ++max);  
Ans.lvalue required — error

8.printf(”%d”,sizeof(2>3?4?:4:3?4:2));(some thing like this)

Ans.syntax error

9. what is important of free().

10.property of constructor in java program.

11.important of macro.

12.underflow condition of stack.

(1)empty,(2)push,(3)pop,(4)none

1)Which of the following is not a storage class in C?

Static  
Register  
Extern  
Stack

2)Which of the following ‘return’ statement is correct?

return, return;  
return(1, 2, 3);  
return(return 4);  
(return 5, return 6);

3)The second argument to fopen() function is?

char  
const char \*  
int \*  
FILE \*

4)What is the output of the program?

```
#include  
void main()  
{  
char buffer[10] = {”Genesis”};  
printf(”%d “, &buffer[4] - (buffer));  
}  
3  
0  
4  
Illegal pointer subtraction  
4
```

5)If “arr” is an array of 5 x 5 dimension, arr[2][4] is same as

\*(a+3+4)  
\*(a+3)+\*(a+4)  
\*(a+3)+4  
\*(a+2)+4

APTITUDE 30 questions

Log37  
1: — = ? (Log67)

1 + Log32

2:  $\log(a-b) = \log a - \log b$ ; then  $a = ?$   
( $b/(b^2+1)$ );

3: 3 black 7 white balls. prob of drawing 2 white balls ? (7/15)

4: In a lock of 4 rings there r five characters how many unsuccessful attempts can be made ? (624)..

5:  $\sqrt{6 + \sqrt{6 + \sqrt{6 + \dots}}}$  = ? 3

6: a solution is prepared by mixing two solution with spirit 20% & 60%..In what ration they should be mixed to get the 50% spirit in resultant solution. (1:3)

7:  $X^2 - (A-3)X + (A+3) = 0$

for what value of A the sum of square of roots will be least ? (A=2);

8: ‘a’ number of persons work daily ‘b’ hours to produce ‘c’ items. if ‘d’ persons walks away from the group what will be the number of hours to produce ‘c’ items. ? (ab/(a-d))

9: - 13 Passage

14 - 18 venn diagram.

19-22 picking based (VERBAL);

23-25 picking odd once out (words )

26:  $m = ax$  ,  $n = ay$   $mxny = a^2(x+y)$  find  $1/x + 1/y$ ?

27  $xy - 2y - 6 = 0$ ;

$x > 2$  ..

y is always postive.

28

The diameter of circle can be determined from

1.area.  
2.circumference.  
Ans either of them.

29: sum of 2 no. is 7 & product s 10 find larger number.

30:

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