1. DNS falls under which OSI layer? Application/Session/Transport/Nw/  
   Data\_Link? (ans Application)
2. Which protocol needs connection establishment? TCP/IP/ICMP/SNA(ans TCP).
3. 100 statements are there. ith statement says: i statements of these  
   100 are false. eg: 1st statement - 1 statement out of these 100 is  
   false. 2nd statement- 2 statements of these 100 are false... and so  
   on. Which of the following is true?  
   a) 1st statement is true  
   b) 99th stmt is true (ans)  
   c) 99th and 100th are true  
   d) none of the above
4. Which statement is wrong.

Ans) ARP belongs to link layer.

1. Divide 40 weight ,you can weigh on both side.

Ans) 4 (in 1,3,9,27)

1. coin probability…………..(ans 8/3).

7. You have 4\*1 and 2\*1 multiplexer, need to create a 8\*1 multiplexer minimum number of multiplexer required. Ans(11)

8. bob alice puzzle. Alic play first . (ans alice)

9. int main(){fork

Print

Fork

Fork} (ans 26)

10.a bit shift program say to find complexity(ans o(n^2\*2^n)

11.an os deadlock related question . (ans hold and wait wala)

12.a triangle related problem requires to find the area (ans 60)

13. an HTTP option related question (ans debug).

14. Consider five holes in a line. One of them is occupied by a fox. Each night, the fox moves to a neighboring hole, either to the left or to the right. Each morning, you get to inspect a hole of your choice. What strategy would ensure that the fox is eventually caught?

15. int get\_power(int a, int b)  
{  
 if(!b) return 1;  
 if(b%2) return a \* get\_power(a, b/2);  
 return get\_power(a, b/2);  
} int func(int p)  
 {  
 int sum = 0;

for(int i = 1; i <= p; ++i) {  
sum += get\_power(i, 5);  
 }  
 return sum;  
}

a. O(p log5)       (ans)

16.ACID stands for?? (Atomicity,consistency, Isolation,Durability)>

17.If two dices thrown simultaneously then what is the probability the> product of number appearing in two dice is even.(Ans 3/4)> 3.