**These Questions are Just the sample Question Just Solved it....**

**Paper : Syntel placement paper (Aptitude)**  
  
**APTITUDE:**

**1.)**  Maximum numbers that can be formed using all the 4 digits 6 4 8 1 without repetition and which is divisible by 9.(Ans: none)

**2.)** Find the number of sides of a regular convex polygon whose angle is 40degrees.

**3.)** a+b+c=0, then roots of ax^2+bx+c=0 is

**1**.imagenary   **2**.real    **3**.coincidental    **4.**zero

**4.)** Difference b/w the compound interest and simple interest for Rs.2500 for 2 years is given. find the rate of interest.

**5.)**there was one more question on S.I and C.I

**6.)** The minimum number by which 60 is to be multiplied to generate a square.  
**Ans:** 15

**7.)** A monkey climbs 6 mts and falls 3mts in alternate minutes. Then time taken to climb a tree 60metres high?

**a.** 35   **b.**37    **c.**32   **d.**34   (answer is 37)

**8.)** A bucket contains z drops. and it leaks x drops in t secs.then the time required to empty the bucket (in minutes).

**9.)** 6 pipes fill or empty the cistern. find the number of emptying pipes if it takes 18hrs to fill and 18 hrs to empty.

**10.)** The largest no: which is a factor of 1080 and 729

**11.)** No: of spheres of radius 1 that can be got from sphere of radius.

**12.)**Travelling at 3/4th the speed a man is 20 minutes later then speed is?

**13.)**there are 6 keys and 6 locks. then number of combinations to be tried out to get the actual solution

**14.)**choosing 2 people out of 10 in how many combinations can a particular person (some name) be always included....  
  
**15.)** from 6 white balls and 7 black balls probability that 2 balls drawn at random are of the same color?

**16.)**if a sales man gets successive gain of 15% and 20% then his actual gain?  
**ans**. 38

**17.)**a string of pearls such that 1/3 is lost and of that 1/4th is missing, remaining is 20 then actual number of pearls?  
**ans.** 40

**18.)**a man gets a gain of x%. but if he had sold at twice the cost price, what will be his gain?

**19.)**a clock was 7minutes behind the actual time on 3 p.m. on Wednesday and 8 minutes ahead of actual time on (not sure) 4 p.m. Friday. when will it show the correct time?

**20.)**boat moves upstream in 6 hrs and covers the same distance downstream in 5 hrs. then speed of a raft floating? accuracy of question not sure)

**21.)** (this was the last question) no idea what it stands for........ some kind of notation like S(P(M((D(a,b),2))):P(M(S(D(a,b),........  
  
**1.**ab   **2.**(a-b)^2  **3.**(a+b)^2    **4.**none

**22.)**if x men working x hrs per day can do x units of work in x days, then y men working y hrs/day would be able to complete how many units of work i y days?  
**ans.** y^3/x^2 (question in R.S. Agarwal)

**23.)**( this was a question in the first page of the section II booklet) a cone with radius----- and height -----. a hemisphere covers the cone such that base of hemisphere meets that of the cone. then the enclose volume.....(R.S. Agarwal consists of similar questions)

**24.)**there was one more question on volume and surface area.

**25.)** 1 Rs, 50 ps , 25 ps coins are in the ratio ---------, then the number of 50 ps coins if they sum to ------Rs. (similar question in R.S.Agarwal)

**26.)**there was one more question on coins i.e. about getting a change of 10ps and 25 coins for ------Rs. (how many possible combinations or so possible)

**27.)** x/y+y/x=40/21(don't remember the exact value, believe this is the one) find x and y there were 2 questions on train and one was like:

**28.)**a goods train starts and after 2 hrs a passenger train at 4km/hr starts and overtakes the goods train after 4 hrs, then the speed of goods train?

**29.)** 15hrs of boys work=6 hrs of women's work. 3/5 of the work is done by -----boys and -----women. How much time would be?  
  
**30.)**there was one question on triangle

**31.)**a figure was given a square with four corners shaded and asked to find the area of the shaded portion.... ie area of square-area of the regular octagon.