

## Virtusa Placement Paper

### SECTION-A Time:30min Qns:12

THE FOLLOWING PROBLEMS R NOT EXACT BUT U WILL GET SOME IDEA.JUST BRUSH UP UR ARITHMETIC SKILLS THAT'S ALL.SOME QNS CARRY 3MARKS WHILE SOME OTHER CARRY 2MARKS

1.3men and 2Boys can do a work in 10 days

1man and 1boy can do the same work in 12 days. 1man can do the work in how many days.

(figures are not exact .Follow mode from R.S.Agarwal)

2. $3+5+7+\dots+n$  how many no. make the sum

480.(easy)

3.aqn based on simple algebra

$x+y+z=0$  then  $\dots\dots\dots=?$

A.we can expand that as  $((x+y+z)^3+3xyz)/3xyz$

so ans is 3

4.Total marks of an exam:500 A got 10% less than B.B got 25% more than C. C got 20% less than D.If A scored 300,score of D?

(again R.S Agarwal stuff easy...)

5.Based an clocks .right time etc., I didn't remember exact sum.

6.A man can travel 1mile in 1hr.He filled the tank with 50ltr.But tank has a hole and petrol started leaking.He found he traveled 400miles when the fuel is completely leaked.

The mileage of vehicle is 1ltr per 3miles.

How fast the fuel is leaked(In how many min.how much?)

7.In a vessel there is 64ltr of some liquid.If 3 time we take out 8ltr and fill with water what is the ratio.

8.In a bag there are 10p and 5p coins. total sum:RS2.50p Find no.of each coins (easy)

9.Alligation n mixture problem ..like IN %0 ltr 10% sugar is there If 20% eater is evaporated what is ratio?

10.Sum of radii of 2 circles=10 sum of circumference of the:7 what is r of small circle(easy)

11.A traveled 10miles and returned back ,walked a mile n reached B,who actualy 3km back...A rate :3mile/hr etc....easy but tricky

12.Unfortunately a no. got halved instead of doubling,no reduced to 70.no?(very easy)

### SECTION:B

1.write a program to eliminate duplicates in a sorted array.(8MARKS)

2.write a recursive fun to print 100 fibonacci numbers.

3.o/p of code(5M)

A:2 1(not difficult)(5M)

4.o/p of code(5M)

3(not difficult)

4.o/p of code:

Some what difficult(pointer to pointer to char arrayetc., be thorough in Pointers)

### SECTION c

WRITE ANY 2 ESSAYS

1.Future of IT industry of India

2.UR role model

3.Indian Education System merits-Demerits

### GD:

Is GD necessary

TEchc,c++,DS,J2EE

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