

hi,  
am friend of zahir,asked me to send philips and lucentplease find them  
in  
the attachments tothis mail.

--mohan

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Genaral:

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1. $6*12*15$  is the volume of some material.How many cubes can be inserte  
d

into that?

Ans.40

2.Two pipes can fill a tank in 10 lnd 12 hours while third pipe will  
make the tank

empty in 20 hours.If all three pipes operate simultaneously,in how  
many hours the

tank will be filled ?

Ans.7hours 30 minutes.

3.Diameter of a beaker is 7cm. Mambler(some instrument)dia is 1.4cm.Ho  
w

many mamblers

has to be put to increase the water level by 5.6cm.

4.Cost of an item is x. It's value increases by p% and decreases by  
p%Now the new value

is 1 rupee, what is the actual value.

Ans. $(1000)/(1000-p*p)$ .

5.A right circular cylinder and a cone are there.Base radius of cone i  
s

equal to radius

of cylinder.What is the ratio of height to slant side.

6.Distance between two poles is 50 meters.A train goes by 48 kmph in one minute.How many poles will be crossed by the train.

7.A pole seen from a certain distance at an angle of 15 degrees and 10  
0  
meters ahead by  
30 degrees. What is th height of pole.

8.15 people--each has to pay Rs.20.. 20 people--each has to pay Rs.18.  
.  
for 40 people--how  
much has to pay ?

9.if  $p=2q$  then  $q=r*r$ ,if p-odd then q is even,whether we decide r is even or odd ?

choices:a)first condition is sufficient  
b)second condition is sufficient  
c)both are sufficient  
d)both are not sufficient

10.What is the value of m given that

- i) m is devided by 2
- ii) m is devided by 5

Ans: none of these

11.If he sells 40 magoes, he will get the selling price of 4 mangoes extra, What is his %  
increase in profit ?

Ans: 25%

12.100 glasses are there. A servant has to supply glasses to a person  
If he supplies the  
glasses without any damage he will et 3 paise otherwise he will  
loose 3 paise.At the  
end of supplying 100 glasses if he gets 270 paise, how many glasses  
were supplied safely.

Ans: 95

\*\*\* Some questions on reasoning

Electronics.

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1.Fastest logic ..

Ans: ECL

2.202.141.65.62 type of IP address belong to which class.

Ans:class B

3.Mod K ring counter requires how many number of flipflops.

Ans:K

4.ftp is in application layer.

5.Problem related to Ternary operations.

Ans:3

6.Problem related to macro # define square x x\*x.

Ans:11

7.Problem related to 5 pointers..refer Page.123 of C prog.,by Keringan and Ritchie.

8.Ideal op-amp CMRR.

Ans: infinity.

9.13-bit DAC MSB resistance 2kohms.LSB resistance ?

Ans:  $2k * 2$  to the power of 12.

\*\*\* Few question related to C++

\*\*\*8888\*\*\*\*\*88 philips99 \*\*\*\*\*

IIT- Guwahati.

they r giving the same paper so be thro this

after written test

select guys will go for group dis.

after a formal interview.

( main thing to note dont't tell them u r intersted in  
going to states or abroad. u don't say ur GRE score.)  
due to this reason 7 guys r not selected.

they taken only 4 guys.

so take care of all the things

section I and section II and sec III

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questions r not in sequence .....

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1. forall(roar(x)=> lions(x)) what does it mean ?

ans all lions roar .

2.  $p \Leftrightarrow q$  read about this

3. when 2 dice r thrown atleast one of them shows 6 probability is

ans 11/36.

4. 2's complement of a 2's complement number is

ans . same no.

5. internatioaal court is at -----

ans Hague.

6. Meaning of ambassador ?

uca ( u can ans)

7. automata DFA dia is given

ans most probably B. chec

8.criticall section

( uca )

9. No of page faults asked by giving the sequence

2 3 6 7 1 3 4 8 9 10 3 2 4

( just for example I have given this seq .)

thro LRU.

ans 6 ( corect).

10.problem in scheduling RR , a sequence is given just like above

with time slice of 1 and completion period for a process is asked

ans . 11

11.A directory has write permission then a user can create a file.

12.Java is

a. compiled

b. interpreted.

c. OOP

d. mutithreaded.

e. all

ans e.

13. Bubble sort is given ., No of times it executes

ans .  $n(n-1)/2$

14. The appriximate ratio for no of internal nodes to total no of nodes in k-ary tree of depth n.

ans.  $1/k$

15. what is fidelity

satya u check

16 what is microprogram.

u check

17. joke :: laugh

ans. cracker : blast

18. question on deadlock

19. How do u remove a ghost in t.v

u check ( clue. ghost means shadow of pictures i.e

20. Question about a family eric, koren, davis etc .

ans . for first one of question. mother

21. If a channel has 2400 bauds what is the data rate it support.

check in data commn book stalins

22. if Band width is w what is data rate

ans  $2w$

23. A graph is given u have to answer

shotest path a to f ans. none of these

shotest path between a to f ans. 17

shortest path between b to f ans . 16

meanings of tact , grudging check

all the best satti

urs nirmal and ravi bye

reply soon with good news