

1st section

/* This section is damn ..tough, lengthy and time consuming. It is highly recommended to leave this section or set aside to last. I am quoting some part of this question so you can easily identify this section..

*/

It is based on recursive function.....

$M(a,b,c)$ - $L(a)$ is if u delete 1st element from it whatever is left.

$N(a,b,c)$ - $L(b)$ is 1st element of the list.

if (a,b) & a r two lists then $M(l_1,l_2)$ is $((a,b),a)$.

$X(a,l)=a$

$=L(a)$

$=M(a,l)$

$y(a,l)=l$

$=L(b)$

$=M(l,a)$

Based on this they gave 8 questions were there....

2nd section

This is about arrangement of dominos

6 Dominos are given ...

Also a figure created using these is also shown. But the alignment of the dominos in the figure is unknown. The question is to find out the possible alignment of the dominos.

1
2

1
3

2
3

1
1

2
2

1
2

1	1	2
2	3	3
1	2	1
1	2	2

The multiple choices some what look like this....

a)

	3	
	2	

b)

1		
1		

c).....d).....

What they mean is....if the columns with no.s shown in the figure, forms a single domino, is it possible to make the figure given in the question using the remaining dominos given ?

In this example I arranged the dominos from left to right , top to bottom .
The answer is b.

This forms 1 question.Likewise 8 questions in this section.

3 rd section

/*This section is the easiest. Ou better start with this section*/

This section consists of encoding decoding questions...

Eg:- 1) if abacbb corresponds to bbcaba
 & acbbca acbbca
 then baabcb ?

ans-bcbaab.(Read the string in reverse)

2) if abcbac corresponds to bcbaca
& acbacb cbacba
then abcabc ?

ans-bcabca.(Rotate the string left by 1 letter)

Like wise 8 questions...

4 th section

/*This is also an easy one*/

Finding the valid string..

Eg:- 1) if $x G 0 0 y G$ y is a string
where x,y are variables which forms strings of G and contains atleast
1 letter.Then which of the following is a valid string of the same language.

- a) $G G 0 0 G G G G G$
- b) $G G 0 0 G G G G$

What they mean is that x and y should be substituted using a consistent value in all the places.

In (a) I put $x=G$, $y = G G$.

In (b) $x=G$, but the 1st occurrence of y is G and 2nd one is $G G$.

So inconsistent ...hence answer is (a)

In some case it may create ambiguity while we substitute the values of x,y .
Sufficient clues will be given in the question to handle this.

5 th section

/*Time consuming*/

Anagrams....

Eg:- 1) P _ _ S _ _ D _

a) utopian b)convince c)pervade

What they mean is , to find the partiular synonym of the words given, that fill correctly in the blanks...!!

ans- convince.-persuade.

2) PERVERSE

3) DECADENT.
