



EMANUEL SCHOOL

Sample Questions for Sixth Form Assessment

1. The language Q has the following properties - (1) XYZ is the base word. (2) If Z immediately follows Y, then Z can be moved to the front of the code word to generate another word. Which one of the following is a code word in language Q?

 - A ZXY
 - B YZX
 - C XXX
 - D XYX
 - E ZZZ

2. Because of winter storm damage, the cost of a pound of apples at the local supermarket has increased 40 percent while the cost of a pound of oranges has increased 20 percent. Therefore, apples are now more expensive than oranges. The argument's reasoning is questionable because the argument fails to rule out the possibility that?

 - A before the storm, apples had increased in price less than oranges
 - B before the storm, apples had already been more expensive than oranges
 - C before the storm, oranges were significantly more expensive than apples
 - D apples will fall back to their normal price more quickly than oranges will
 - E consumers will reduce their purchase of apples until the price falls to below that of oranges

3. Seven disks - G, H, L, O, P, S, U - are being inserted in a CD player. The order in which the disks are played is subject to the following restrictions - L must be played before both O and U. Exactly two disks must be played between G and P one of which must be L. H cannot be played first. If L and O are played consecutively, which one of the following cannot be true?

 - A S is played second
 - B G is played second
 - C L is played third
 - D O is played fourth
 - E H is played sixth