

## Question 1: Define fisher effect

Answer:

### **The Fisher Effect**

The relationship between real and nominal returns is described by the Fisher Effect.

Let:  $R$  = the nominal return

$r$  = the real return

$h$  = the inflation rate.

## Question 2: Define following Terms:

1. Operating Cycle
2. Cash cycle
3. Inventory Period
4. A/R Period
5. A/P Period

## Question 3: Define real rate of interest

Answer:

### **Real Rate of Interest**

1. When real rate is high; all interest rates will tend to be higher and vice versa.
2. Thus real rate does not really determine the shape of the term structure rather it influences the overall level of interest rates

## Question 4: Write three RNA Viruses?

## Question 5: Write three stop codons?

## Question 6: How and what cross linkage by alkylating agents.

Answer:

Alkylating agents utilize selective alkylation by adding the desired aliphatic carbon chain to the previously chosen starting molecule. This is one of many known chemical syntheses. Alkylating agents are a highly reactive group of electrophiles which transfer methyl, ethyl or alkyl groups to the electron-rich atoms in the DNA and damage it.

## Question 7: How DNA replication initiates.

Answer:

The proteins that initiate DNA replication bind to DNA sequences at a replication origin to catalyze the formation of a replication bubble with two outward-moving replication forks. The process begins when an initiator protein-DNA complex is formed that subsequently loads a DNA helicase onto the DNA template.

## Question 8: How many standard amino acids are there. Name any 5.

Answer:

In eukaryotes, there are only 21 proteinogenic amino acids, the 20 of the standard genetic code, plus selenocysteine. Humans can synthesize 12 of these from each other or from other molecules of