Question QFB1 : The group of enzymes that cleave without the addition of water is known as \_\_\_\_\_\_  
Answer: Lyases  
  
Question QFB2 : Low molecular weight organic substances which enzymes could require for their catalytic activities are known as \_\_\_\_  
Answer: Coenzymes  
  
Question QFB3 : The enzyme substrate theory in which the enzymes undergoes a conformation change to which the substrate binds is known as \_\_\_\_\_\_\_\_\_\_\_\_  
Answer: induced fit theory  
  
Question QFB4 : The pH of a solution with hydrogen ion concentration of 0.0001 M is \_\_\_\_\_\_\_\_\_\_\_\_\_\_.  
Answer: 4  
  
Question QFB5 : The basic distinguishing feature between peptide and protein is in respect to their \_\_\_\_\_\_\_\_\_\_\_.  
Answer: Molecular weight  
  
Question QFB6 : A \_\_\_\_\_\_\_ centre is a carbon atom to which four different functional groups are covalently linked.  
Answer: Chiral  
  
Question QFB7 : When an amino acid rotates the plane polarised light to the right is said to be \_\_\_\_\_\_\_\_\_\_  
Answer: Dextrorotatory  
  
Question QFB8 :  Complete the given equation.  
Answer: ES  
  
Question QFB9 : An enzyme with code [EC 1.3.2.2 ] belongs to the class of enzymes called \_\_\_\_\_\_\_  
Answer: Oxidoreductases  
  
Question QFB10 : A complete catalytically active enzyme together with its bound co-enzyme and/or metal ion is called \_\_\_\_\_\_\_  
Answer: holoenzyme  
  
Question QFB11 : \_\_\_\_\_\_\_\_ are biopolymers of amino acids in which amino acids are joined by peptide bonds.  
Answer: Peptides  
  
Question QFB12 : The presence of a red colour with Millon’s Reagent indicates the presence of the amino acid \_\_\_\_\_\_\_  
Answer: tryptophan  
  
Question QFB13 : The enzyme with code. [EC 3.2.1.18] belongs to the class \_\_\_\_\_\_\_\_\_  
Answer: hydrolases  
  
Question QFB14 : The part of an amino acid that gives it its unique property is the \_\_\_\_\_\_\_\_\_\_\_  
Answer: side chain  
  
Question QFB15 : The pH of a solution with 0.82 M hydrogen ion concentration is \_\_\_\_\_\_\_\_\_\_\_\_\_\_.  
Answer: 13.9  
  
Question QFB16 : Calculate the pH of a solution with hydrogen ion concentration of 0.00456 M to the nearest whole number \_\_\_\_\_\_\_\_\_\_  
Answer: 2  
  
Question QFB17 :  Give the name of the amino acid with the given structure\_\_\_\_\_\_\_\_\_  
Answer: Alanine  
  
Question QFB18 : Calculate the pH of a buffer solution which is 0.05 M in sodium acetate and 0.1 M in acetic acid. The