

# BCH 349

Name:

Student no:

## QUIZ #3

1. Proteases differ in their ability to hydrolyze various peptide bonds ( )
2. Examples of proteases include casein ( )
3. The amount of casein added was fixed to all tubes ( )
4. The pH of the phosphate buffer was 5.6 ( )
5. The absorbance reading of the precipitate from each tube against the blank was at 280nm ( )
6. T.C.A was added to all tubes to stop the reaction ( )
7. The enzymatic reaction was done at 25°C ( )
8. The enzyme used in the experiment was chymotrypsin ( )
9. Proteases are enzyme of class 4, the hydrolases, and subclass 3.4 ( )
10. Protease refers to a group of enzymes whose catalytic function is to hydrolyze (breakdown) peptide bonds of proteins ( )
11. Non-competitive Inhibitors are Inhibitors bind to a site *different* from the active site ( )
12. When [S] is much more than  $K_m$ , the velocity of the reaction is roughly proportional to the substrate concentration ( )
13. At very low concentration: the rate of the reaction is very high ( )
14. Casein was used as a substrate to study the trypsin activity ( )
15.  $K_m$  is equal to [S] at which the reaction velocity is equal to  $V_{max}$ . ( )

