**ILMI BLOG.COM FSC 1ST YEAR BIOLOGY CHAPTER 3 TEST**

**STUDENT NAME-------------------------- ROLL # ------------------------------- DATE: / /**

**Class 1 year Chapter 3 T. Marks: 40 Subject Chemistry Time 45 min Obtain marks------------------**

**Q # 1 encircle the correct option 1\*10=10**

1. Enzymes ---- the activation energy: A) Increase B) Lower C) Both D) None
2. If non protein part is covalently bonded, it is called: A) Prosthetic group B) Coenzymes C) Both D) None
3. Enzymes Importance in photosynthesis are found in ------: A) Mitochondria B) Lysosomes C) Chloroplast D) Ribosome
4. Inactive form of pepsin is: A) Trypsin B) Pepsinogen C) Amylase D) None
5. ---------inhibitor destroy the globules structure of enzymes: A) Irreversible B) Reversible C) Competitive D) None
6. -------propose Lock and Key model: A) Koshland B) Walther sutten C) Email Fischer D) None
7. Induced fit Model was Proposed in: A) 1890 B) 1980 C) 1098 D) None
8. -------- are closely related to vitamin: A) Coenzymes B) Prosthetic Group C) Activator D) All
9. Active site consist of How many region: A) 1 B) 2 C) 3 D) 4
10. Enzymes are ------ protein: A) Globules B) Fibrous C) Both D) None

**Q # 2: Short Question 10 \* 2= 20**

1. What is enzymes? Give example.
2. Differentiate between coenzymes and prosthetic group.
3. Define apo enzymes and holo enzymes.
4. Write four characteristics of enzymes.
5. Define inhibitor with example.
6. What is non competitive inhibitor?
7. Define active site.
8. Differentiate between reversible and irreversible inhibitor.
9. Write three function of cofactor.
10. Define activator with example.

**Q # 3 Long Questions 2\* 5 =10**

1. Explain Mechanism of enzyme Action.
2. Explain characteristics of enzymes.