

LAWRENCE COLLEGE, GHORA GALI, MURREE.

SYLLABUS AND HOMEWORK FOR VACATIONS-2

Class:9th Subject: Biology

Syllabus: Chapter: 5 and 6

(The questions mentioned below, should be answered by the student on proper stapled pages)

Q1: How does Cytokinesis occur in plant cells?

Q2: Draw diagrams, showing Metaphase and Anaphase.

Q3: Define Meiosis

Q4: Define Chiasmata and Crossing over.

Q5: Write scientific name of fruit fly.

Q6: Define Optimum temperature.

Q7: Write the equation for mechanism of enzyme action.

Q8: Define Denaturation of enzyme.

Q9: Write the function of Protease enzyme.

Q10: Write the function of Lipase enzyme.

Q11: Draw a graph, showing the effect of temperature on rate of enzyme catalyzed reaction.

Q12: Write the uses of enzymes in Food industry and Brewing industry.

Q13: Write the use of enzymes in Paper industry and Biological detergent.

Q14: Differentiate between Intracellular enzymes and Extracellular enzymes.

Q15: Differentiate between Substrates and Products.

Q16: Draw a graph, showing effect of substrate concentration on rate of enzyme catalyzed reaction.

Q17: In what type of pH, do the enzymes Pepsin and Trypsin work?

Q18: Name the factors, affecting the rate of enzyme catalyzed reaction.

Q19: What is the normal human body temperature in Celcius and Fahrenheit scale.

Q20: Differentiate between Activators and Inhibitors.