

LAWRENCE COLLEGE, GHORA GALI, MURREE.

SYLLABUS AND HOMEWORK FOR VACATIONS

Class:9th Subject: Biology

Syllabus: Chapter: 4, 5 and 6

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

Q1: What are enzymes?

Q2: \Define Mitotic apparatus.

Q3: Define Mitosis.

Q4: What is meant by Diploid number of Chromosomes?

Q5: What is meant by Haploid number of Chromosomes?

Q6: Why is Meiosis called Reduction division?

Q7: Where do Mitosis and Meiosis occur?

Q8: Define Meiosis.

Q9: Name the four phases, found in karyokinesis of Mitosis.

Q10: Differentiate between Prosthetic group and Co-enzyme.

Q11: Define Activation energy.

Q12: Write the physical and chemical composition of Ribosome.

Q13: Write the chemical composition of Cytoplasm.

Q14: Write the functions of Cytoplasm.

Q15: Differentiate between Primary wall and Secondary wall.

Q16: Write the principles of Cell theory.

Q17: Differentiate between the Cell wall of plants, fungi and bacteria.

Q18: Write the physical and chemical composition of Centriole.

Q19: Why is the Scientist “ Christian Rene de Duve” so famous?

Q20: Who proposed Lock and Key model?

Class- 9 (Mr.Ali Akbar... aliakbarbiologist@yahoo.com)03009368697