**ILMI BLOG.COM FSC 1ST YEAR BIOLOGY CHAPTER 4 TEST**

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

**Class 1 year Chapter 4 T. Marks: 40 Subject Chemistry Time 45 min Obtain marks------------------**

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

1. Prokaryotic contain ----- ribosome: A) 70S B) 80S C) 90S D) 60S
2. Which of the following are absent in prokaryotes: A )Lysosomes B) Chloroplast C) Chromosomes D) None
3. Red Blood Cell contains----pores per nucleus: A) 30,000 B) 300 C) 4 or 5 D) 3 or 4
4. Chromosomes in potato are: A) Half to that in chimpanzee B) Equal to that in chimpanzee C) Double to that in chimpanzee D) None
5. Human sperm have ---- chromosomes: A) 46 B) 92 C) 23 D)11.5
6. Soluble sap in nucleus is called: A) chromatin B) Nucleoplasm C) Nucleolus D) All
7. Nucleus id often deeply stained with ----- dyes: A) Basic B) Acidic C) Neutral D) None
8. Centriol are made up of ---- microtubules triple: A) 18 B) 27 C) 36 D) 9
9. Lysosomes enzymes are synthesized on: A) SER B) RER C) Golgi Apparatus C) None
10. ---- is concerned with cell secretion: A) Lysosomes B) Mitochondria C) Golgi Apparatus D) Cell membrane

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

1. Define fluid Mosaic Model.
2. Differentiate between Sol and Gel.
3. Write function of smooth endoplasmic reticulum.
4. Write four differences between eukaryotic and prokaryotic cell.
5. What are microtubules and microfilaments?
6. Define polysomes.
7. Define Cristae.
8. Differentiate between primary and secondary lysosomes.
9. What is Tay-Sach’s disease?
10. Write the function of vacuole in plant

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

1. Explain mitochondria.
2. Explain the structure, function and types of chloroplast.