**ILMI BLOG.COM FSC 1ST YEAR BIOLOGY CHAPTER 11 TEST**

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

**Class 1 year Chapter 11 T. Marks: 40 Subject Chemistry Time 45 min Obtain marks------------------**

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

1. Van Neil gave hypothesis in: A) 1920 B) 1930 C) 1940 D) 1950
2. Pigment are substance that absorb visible light of wavelength: A) 380-750 cm B) 340-780 cm C) 350-770 cm D) None
3. Chlorophyll absorb mainly: A) Violet-blue B) Orange-red C) Both D) None
4. First action spectrum was observed in: A) C20H38 B) C19H38 C) C19H40 D) C20H39
5. First action spectrum was observed in: A) 1983 B) 1683 C) 1783 D) 1883
6. Porphyrin ring is made up of----- joining pyrrole ring: A) 4 B) 5 C) 6 D) 7
7. In cyclic phosphorylation, which is produce: A) NADPH B) O2 C) ATP D) all
8. Which is copper containing protein: A) Ferrodoxin B) Plastocyanin C) Plastoquinone D) None
9. --- is most abundant protein in chloroplast: A) Robisco B) Cytochrom C) Hemoglobin D) None
10. Calvin cycle is known as ----- pathway: A) C2 B) C3 D) C4 D) C5

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

1. Define photosynthesis.
2. What is Van Neil hypothesis?
3. Differentiate between absorption and action spectrum.
4. Define photo system.
5. What is carbon fixation?
6. Define gycolysis.
7. Differentiate between alcoholic and lactic acid fermentation.
8. Draw Calvin cycle.
9. What is cytochrom?
10. Define biological oxidation.

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

1. Explain no cyclic Phosphorylation.
2. Explain electron transport chain.