**ILMI BLOG.COM FSC 1ST YEAR CHEMISTRY CHAPTER 5 TEST**

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

**Class 1 year Chapter 5 T. Marks: 40 Subject Chemistry Time 45 min Obtain marks------------------**

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

1. The exact voltage require depends on the: A) Length of tube B) Pressure Inside tube C) Both D) None
2. Cathode rays can cause a chemical change because they Have effect: A) Oxidizing B) Reducing C) Both D) None
3. Cathode rays produce fluorescence in the stone: A) Yellow B) Red C) Green D) Brown
4. Proton name suggested by: A) Bohr B) Chadwick C) Rutherford D) None
5. Anode positive ray produce flashes on plates: A) ZnS B) ZnI C) CdS D)CdI
6. Chadwick discovered in 1932: A) Proton B) Neutron C) Electron D)Neutrino
7. 7.1 Kg of electron has columbs of charge: A) 1.7588\* 1011 B) 9.1065 \* 10-31 C) Both D) None
8. A beam of alpha particle was directed onto gold foil of thickness: A) 0.004cm B) 0.00004 cm C) 0.000004 cm D) None
9. Paschen series lies in the region: A) Ultra Violet B) Visible C) Infra Red D) all
10. Dual nature of matter was extended by de Broglie: A) 1924 B) 1927 C) 1911 D) 1923

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

1. Differentiate between atomic emissions and atomic absorption spectrum.
2. What is hydrogen spectrum?
3. Write two effect of Bohr’s atomic Model.
4. What is Heisenberg uncertainty principal?
5. Define orbital.
6. What is spin quantum number?
7. Draw a shape of d-orbital.
8. What does Azimuthal quantum number represent?
9. Define wave number and wavelength.
10. Write two postulates of Plank’s quantum theory.

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

1. Explain Magnetic quantum number.
2. Explain derivation of energy or revolving electron in nth orbit.