

**Ch: Cell the Unit of Life**

**Q.1 Fill in the blanks : (1 × 5 = 5 marks)**

1. The nuclear region of prokaryotic cells is called .....
2. The term Protoplasm was coined by .....
3. An Ostrich egg is the ..... animal cell.
4. Cell is the basic ..... and ..... Unit of all living organisms.
5. Plant cell wall is mainly composed of .....

**Q.2 Very short answer questions : (1 × 5 = 5 marks)**

1. Who coined the term cell?
2. Give one example each of unicellular and multicellular organisms.
3. Name two cell organelles which contain their own genetic material.
4. What is the main function of Ribosomes?
5. Which organelle is responsible for the release of energy?

**Q.3 Short answer questions: (2 × 5 = 10 marks)**

1. Distinguish between prokaryotic and eukaryotic cell.
2. “Lysosomes are known as Suicide bags”. Why?
3. What would happen when eukaryotic cells are placed in Hypotonic, hypertonic and isotonic solutions?
4. Who proposed cell theory? What are its Postulates?
5. Where are Plastids found? Write about its types and functions.

**Q.4 Long answer questions: (2 × 5 = 10)**

1. Draw a neat Labeled diagram of animal cell and mention are function of the main cell organelles.
2. Draw a neat Labeled diagram of Plant cell. Write differences between and animal cell.

**\*Best of Luck\***