

**Detailed solution of exercises \_Cell, The Fundamental Unit of Life\_9th\_term 1\_NSB**

**SUBJECTIVE TYPE QUESTIONS:**

**LEVEL-1**

- SOL1. An Ostrich Egg
- SOL 2. Unicellular organism
- SOL 3. Robert hooke
- SOL 4. Singer and Nicholson in 1972
- SOL 5. Refer page # 6 Under the subheading Types of solution on the basis of concentration.
- SOL6. Nucleus
- SOL 7.Mitochondria
- SOL 8. Refer page # 13 Under the subheading Mitochondria
- SOL 9 Refer page # 13 Under the subheading Mitochondria
- SOL 10. Refer page # 12 Under the subheading Lysosome
- SOL11. Chromoplast
- SOL 12. Refer page # 12Under the subheading Lysosome
- SOL 13. Refer page # 12 Under the subheading **Functions of Lysosome**
- SOL 14 Refer page #9, Under the subheading **Protoplasm**
- SOL 15. Refer page # 2 Under the subheading Discovery of Cell
- SOL16. Refer page # 2, Under the subheading Discovery of cell
- SOL 17. Refer page # 6, Under the subheading Functions of plasma membrane
- SOL 18 Refer page #5 Under the subheading Cell membrane
- SOL 19 Refer page # , Under the subheading Types of active transport
- SOL 20. Refer page # 13 Under the subheading Mitochondria
- SOL 21. Refer page # 12 Under the subheading Golgi Apparatus
- SOL 22 Refer page # 5 Under the subheading Plasma Membrane
- SOL 23 Refer page # 13, Under the subheading Plastids

**LEVEL-2**

- SOL1. Refer page # 3 Under the subheading Cell Theory
- SOL 2. Refer page # 9, Under the subheading Nucleus
- SOL 3. Refer page # 10, Under the subheading Endoplasmic Reticulum
- SOL 4. Refer page # 13 Under the subheading Mitochondria
- SOL 5. Refer page # !7, Under the Table:Difference between Animal cell and Plant cell

**MCQ**

**LEVEL-1**

- SOL 1. D) Refer page # 2 Under the subheading Discovery of Cell
- SOL 2. C) Refer page # 3 Under the subheading Cell Theory
- SOL 3.A) Refer page # 2, Under the subheading Discovery of Cell
- SOL 4. B) Refer page # 9, Under the subheading Nucleus
- SOL 5 B) Refer page # 4 Under the subheading Cell Size
- SOL 6 B) STUDY OF ALL KIND OF CELLS IS CALLED CYTOLOGY
- SOL 7. B) Refer page # 2 Under the subheading Discovery of Cell
- SOL 8. D) Refer page # 3 Under the subheading Cell Theory
- SOL 9. B) Refer page # 5, Under the subheading Cell membrane
- SOL 10. B) Refer page # 8, Under the subheading Cell Wall
- SOL 11 D) Refer page # 16 Under the subheading Table: Diff between prokaryotic and eukaryotic cell

- SOL 12 C) Refer page # 6, Under the subheading Types of solution on the basis of concentration.  
 SOL 13. A )Refer page # 8 Under the subheading Cell wall  
 SOL 14. C )Refer page # 5 Under the subheading Cell Membrane  
 SOL 15. A) Refer page # 11, Under the subheading Ribosome  
 SOL 16. B) Refer page # 11, Under the subheading Ribosome  
 SOL 17 A) Refer page # 6 Under the subheading Types of solution on the basis of concentration.  
 SOL 18 D) Refer page # 13, Under the subheading Mitochondria  
 SOL 19. B) Refer page # 13 Under the subheading Mitochondria  
 SOL 20. B) Refer page # 10 Under the subheading Endoplasmic Reticulum  
 SOL 21. C) KOLLIKER OBSERVED MITOCHONDRIA AT FIRST.  
 SOL 22. C) Refer page # 11, Under the subheading Ribosome  
 SOL 23 B) Refer page # 12 Under the subheading Lysosome  
 SOL 24 D) Refer page # 16, Under the subheading Table: Diff between prokaryotic cell and Eukaryotic cell  
 SOL 25. A)Refer page # 17Under the subheadingTable: Diff between plant cell and animal cell

**MCQ**

**LEVEL-2**

- SOL 1. C)Refer page # 4 Under the subheading Cell Size  
 SOL 2. C) Refer page # 16, Under the subheading Table: Diff between prokaryotic cell and Eukaryotic cell  
 SOL 3. B) Refer page # 12, Under the subheading Lysosome  
 SOL 4 C) Refer page # 17 Under the subheading Table: Diff between plant cell and animal cell  
 SOL 5 B) Refer page # 14, Under the subheading **Vacuole**  
 SOL 6. A) Refer page # 13 Under the subheading Mitochondria  
 SOL 7. C) DURING AEROBIC RESPIRATION ,GLYCOLYSIS OCCURS IN CYTOPLASM AND KREBS CYCLE OCCURS IN MITOCHONDRIA  
 SOL 8. D) Refer page # 12, Under the subheading Golgi Apparatus  
 SOL 9. C) Refer page #13, Under the subheading Plastids  
 SOL 10 A) Refer page # 7 Under the subheading Types of active transport

**LEVEL-3**

- SOL 1 A) Refer page #6, Under the subheading Types of solution on the basis of concentration.  
 SOL 2. A) Refer page # 6Under the subheading Functions of plasma membrane  
 SOL 3. A) Refer page # 13 Under the subheading Mitochondria  
 SOL 4. C) Refer page # 10, Under the subheading Endoplasmic Reticulum  
 SOL 5. D) Refer page # 17, Under the subheading  
 SOL 6 C) Refer page # 3 Under the subheading  
 SOL 7. B)WBC, NEURON AND MUSCLE CELL HAVE NUCLEUS  
 SOL 8. C) CARTILAGE CELL, NEURON. EPITHELIAL CELLS ARE NOT PRESENT IN PLANTS.  
 SOL 9. A) Refer page # 3 Under the subheading Cell Shape  
 SOL 10. D) Refer page # 8 Under the subheading Cell Wall