

**Octahedral classes, kharadi**  
**2nd floor, yashwant plaza, near bank of India,**

**Class 09 - Science**

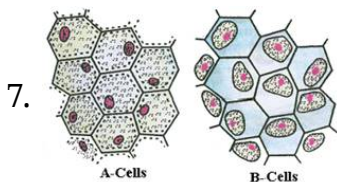
**Biology chapter 1**

**Maximum Marks: 30**

**Time Allowed: 1 hour and 30 minutes**

**Section A**

1. A person takes concentrated solution of salt. After sometime he starts vomiting. What is the phenomenon responsible for such a situation? Explain. 1
2. Plasma membrane is made up of which two components? 1
3. What is microscope? 1
4. Why is virus an exception of cell theory? 1
5. Which organelle is associated with ribosome formation? 1
6. Write short note on nucleus. 2



7. 2
  - a. Identify A and B cells.
  - b. What will happen if B cells are kept in hypotonic solution?
  - c. What will happen if A cells are kept in hypertonic solution?
8. Who discovered cell, and how? 2
9. Differentiate between plant cell and animal cell. 2
10. What is the role of ribosomes and golgi body? 2
11. Write the main function of each of the following. 3
  - (a) Plasma membrane
  - (b) cell wall
  - (c) Ribosome
  - (d) Lysosome
  - (e) Nucleolus
  - (f) Endoplasmic reticulum
12. Make a comparison and write down ways in which plant cells are different from animal cells. 3
13. What is membrane biogenesis? How is plasma membrane formed during this 3

process?

14. Write a note on Golgi apparatus and the functions it performs. **3**
15. What are cell organelles? Write the names of different cell organelles. **3**