

NORTH POINT SENIOR SECONDARY BOARDING SCHOOL, RAJARHAT

Class IX

Subject : BIOLOGY

Assignment on Chapter 5 (The Fundamental Unit of Life)

Answer the following questions:

- 1. Why is Plasma Membrane called a selective permeable membrane and Cell Wall is called as fully permeable membrane?**
- 2. Which cell organelle, you think, is known as "Head Quarter" of the cell and why?**
- 3. What is the nuclear region of the prokaryotic cells called?**
- 4. Where is Ribosomes synthesized? State the function of this organelle.**
- 5. What will happen to an animal cell if placed in the hypertonic solution?**
- 6. Name the only cell organelle seen in prokaryotic cell.**
- 7. What is plasmolysis?**
- 8. Why does the skin of your finger shrink when you wash clothes for a long time?**
- 9. Name any three organelles with double membranes.**
- 10. Name the mechanism by which substances like Carbon-di-Oxide and Water move in and out of the cell? Discuss.**
- 11. Which plastid is responsible for yellow and other colours in petals of flower?**
- 12. Where from a lysosome arise?**
- 13. Which cell organelle synthesis lipids?**
- 14. How many membranes are present in vacuole?**
- 15. Name an organelle without a cell membrane.**
- 16. What would happen to the life of a cell if there was no Golgi apparatus?**
- 17. What do you mean by membrane biogenesis? Mention the organelle involved in it.**
- 18. State one similarity and one difference between mitochondria and plastid.**
- 19. Name the control room of the and show its components.**
- 20. Why cell is known as the structural and functional unit of living organisms?**

