**NORTH POINT SENIOR SECONDARY BOARDING SCHOOL; RAJARHAT**

**Class : XI Science**

**Subject : Biology**

**Assignment of Chapter 8 (Cell : The Unit Of Life)**

**Answer the following questions:**

**1. What do you mean by "Omnis cellula-e cellular"?**

**2. Expand PPLO and write its measurement.**

**3. Which structure in bacterium prevents from bursting or collapsing?**

**4. What do you mean by mesosome and what are the three forms it takes?**

**5. Mention three parts of flagillum.**

**6. Write the function of fimbriae in Bacterium.**

**7. Name some granules which acts as inclusion bodies in Prokaryotic cell.**

**8. Phosphoglycerides are associated with which component of plasma membrane?**

**9. Which property of plasma membrane is reflected by Quasi-fluid bilayer?**

**10. What do you mean by the followings:**

**i) Exocytosis**

**ii) Endocytosis**

**iii) Phagocytosis**

**iv) Pinocytosis**

**11. Write two differences between:**

**i) Exosmosis and Endosmosis.**

**ii) Luminal compartment and Extra Luminal compartment.**

**iii) Centromere and Centrosome**

**iv) Centrioles and Centrosome**

**v) 70S and 80S**

**vi) Microtubules and Microbodies**

**vii) Centromere and Kinetochores**

**viii) Primary and Secondary wall of Cell Wall**

**ix) Contractile vacuoles and Food Vacuoles**

**x) Thylakoid and Grana**

**xi) Glycoproteins and glycolipids**

**xii) Cristae and cisternae**

**12. Write five functions each of:**

**i) SER**

**ii) RER**

**iii) Mitochondria**

**iv) Dictyosome**

**v) Plastid**

**vi) Vacuole**

**vi) Lysosome**

**v) Nucleus**

**13. What do you mean by:**

**i) Tubulin**

**ii) Axoneme**

**iii) Histones**

**iv) Satellite**

**14. Write two functions of Cytoskeleton.**

**15. What do you mean by Cartwheel structure of Centrioles?**

**16. What is nucleoprotein fibres are?**

**17. How the composition of the cell wall of algae differs that of plant?**

**18. Write two examples each of the three types of Leucoplasts.**

**19. What are the various shapes of chloroplasts found in mesophyll cells?**

**20. Name any two pigments present in Chloroplasts.**