**Neha Malhotra** **R.L. Institute M: 9416974837**

**Max Time : 1 hr** **Class = 11th Biology Test**  **Max Marks : 25**

**CELL : THE BASIC UNIT OF LIFE**

1. Multiple choice questions : [ 1 X 5 = 5]
2. What is tonoplast ?

|  |  |
| --- | --- |
| a) Outer membrane of mitochondria | b) Inner membrane of chloroplast |
| c) Cell membrane of plant cell | d) Outer membrane of vacuole |

1. Branch of biology connected with the study of structure, genetics and function of cell is

|  |  |  |  |
| --- | --- | --- | --- |
| a) Cytology | b) Karyology | c) Cell biology | d) Cytometry |

1. Cisternae of Golgi apparatus are present over

|  |  |  |  |
| --- | --- | --- | --- |
| a) Forming face | b) Maturing face | c) In the middle | d) Both (a) & (b) |

1. The leucoplasts that stores fat are called

|  |  |  |  |
| --- | --- | --- | --- |
| a) Amyloplasts | b) Elaioplasts | c) Alueroplasts | d) Proplastids |

1. The structural frame work of bacterial cell wall is

|  |  |  |  |
| --- | --- | --- | --- |
| a) Cellulose | b) Chitin | c) Peptidoglycan | d) pseudomurein |

1. Define why cell is call the basic unit of life? [ 1 ]
2. Define dictyosomes? [ 1 ]
3. Define passive and active transport? [ 1 ]
4. Both lysosomes and vacuoles are endo membrane system, yet they are different in terms of their functions, Comment. [ 2 ]
5. Distinguish between Nucleoplasm and cytoplasm. [ 2 ]
6. What is a mesosome in prokaryotic cell? Mention their functions. [ 2 ]
7. Briefly describe the cell theory? [ 2 ]
8. Differentiate between Rough endoplasmic reticulum & Smooth endoplasmic reticulum. [ 2 ]
9. What are plasmids? Describe their role in bacteria also define episomes. [ 2 ]
10. Describe the fluid mosaic model of plasma membrane with diagram. [ 5 ]