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**Max Time : 1 hr** **Class = 9th Science Test Max Marks : 25**

**FUNDAMENTAL UNIT OF LIFE**

1. Multiple choice questions : [ 1 X 4 = 4]
2. Organelle other than nucleus, containing DNA is :

|  |  |  |  |
| --- | --- | --- | --- |
| a) ER | b) Golgi apparatus | c) Mitochondria | d) Lysosome |

1. Kitchen of the cell is :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Mitochondria | b) ER | c) Chloroplast | d) Golgi apparatus |

1. Cell theory was given by :

|  |  |
| --- | --- |
| a) Schleiden and Schwann | b) Virchow |
| c) Hooke | d) Haeckel |

1. Name the process by which CO2 moves out of the cells.

|  |  |  |  |
| --- | --- | --- | --- |
| a) Dialysis | b) Diffusion | c) Phagocytosis | d) Pinocytosis |

1. Plasma membrane is made up of which two components? [ 1 ]
2. Where are genes located? [ 1 ]
3. Define plasmolysis. [ 1 ]
4. What is nucleoid? [ 1 ]
5. Which cell organelle controls most of the activities of the cell? [ 1 ]
6. Why are lysosomes known as suicidal bags? [ 2 ]
7. Define : (a) Hypertonic solution (b) Hypotonic solution [ 2 ]
8. Differentiate between Rough endoplasmic reticulum and Smooth endoplasmic reticulum. [ 2 ]
9. Which organelle is known as powerhouse of the cell? Why? [ 2 ]
10. Define : (a) Mitosis (b) Meiosis [ 2 ]
11. How is prokaryotic cell different form eukaryotic cell? [ 3 ]
12. Draw a labelled diagram of plant cell and explain how it is different from animal cell? [ 3 ]