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

**Max Time : 1 hr** **Class = 11th Biology Test**  **Max Marks : 30**

**CELL : THE BASIC UNIT OF LIFE**

**[ Transportation and Endo membrane Organelles]**

1. Multiple choice questions : [ 1 X 10 = 10]
2. Important site for formation of glycoproteins and glycolipids is :

|  |  |  |  |
| --- | --- | --- | --- |
| a) vacuole | b) Golgi apparatus | c) Plastid | d) Lysosome |

1. Middle lamella is composed mainly of:

|  |  |  |  |
| --- | --- | --- | --- |
| a) Muramic acid | b) calcium pectate | c) phosphoglycerides | d) hemicellulose |

1. Lysosomes have a high content of

|  |  |  |  |
| --- | --- | --- | --- |
| a) Hydrolytic enzymes | b) Lipoproteins | c) Polyribosomes | d) DNA ligase |

1. Which of the following represents a hypotonic solution?
2. The solution has a greater solute concentration than the one it is being compared to.
3. The solution has a lesser solute concentration than the one it is being compared to.
4. The solution has an equal solute concentration than the one it is being compared to.
5. None of the above
6. Which of the following organelle is directly connected to the outer membrane of nucleus in a eukaryotic cell?

|  |  |  |  |
| --- | --- | --- | --- |
| a) mitochondria | b) lysosome | c) Golgi apparatus | d) ER |

1. The acidic condition with in the lysosome is maintained by :

|  |  |
| --- | --- |
| a) Digestive enzymes synthesized on RER | b) Pumping Cl – ion out of lysosomes |
| c) Pumping protons (H+) into the lysosomes | d) All of the above |

1. Lysosomes along with their food content is called :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Primary Lysosome | b) secondary Lysosome | c) residual bodies | d) cytosome |

1. Golgi body is associated with :

|  |  |
| --- | --- |
| a) Packaging and storage of material | b) Cell plate formation |
| c) Secretion of different substances | d) all of the above |

1. Cell wall shows :

|  |  |  |  |
| --- | --- | --- | --- |
| a) completely permeability | b) semi permeability | c) differential permeability | d) impermeability |

1. Which of the following cell organelles is present in the highest number in secretory cells?

|  |  |  |  |
| --- | --- | --- | --- |
| a) Lysosomes | b) Mitochondria | c) Golgi complex | d) ER |

1. Define plasmodesmata. [ 1 ]
2. Define dictyosomes. [ 1 ]
3. Define Autophagic vacuole. [ 1 ]
4. What type of molecules passes through membrane by facultative diffusion? [ 1 ]
5. When the cell engulf solid particles, this process is known as \_\_\_\_\_\_\_\_\_\_\_\_. [ 1 ]
6. Outer membrane of vacuole is known as \_\_\_\_\_\_\_\_\_\_\_\_\_. [ 1 ]
7. Define Osmosis. [ 1 ]
8. Define Hypertonic and Hypotonic solution. [ 2 ]
9. Define uniport and symport transportation. [ 2 ]
10. Why lysosomes is known as suicidal bag of the cell? [ 2 ]
11. Differentiate between SER and RER. [ 2 ]
12. Explain the functions of Golgi bodies. [ 2 ]
13. Define Active and Passive transport. [ 3 ]

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

**CELL : THE BASIC UNIT OF LIFE**

**[ Transportation and Organelles]**

1. Multiple choice questions : [ 1 X 4 = 4]
2. Which one of the following has its own DNA?

|  |  |  |  |
| --- | --- | --- | --- |
| a) Mitochondria | b) Dictyosomes | c) Lysosome | d) peroxisomes |

1. In chloroplasts, chlorophyll is present in the :

|  |  |  |  |
| --- | --- | --- | --- |
| a) outer membrane | b) inner membrane | c) thylakoids | d) stroma |

1. The two sub-units of ribosome remain united a critical ion level of :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Copper | b) manganese | c) Magnesium | d) calcium |

1. Oxysomes of Fo-F1 particles occur on :

|  |  |
| --- | --- |
| a) Thylakoids | b) mitochondrial surface |
| c) inner mitochondrial membrane | d) chloroplast surface |

1. Define plasmodesmata. [ 1 ]
2. Define dictyosomes. [ 1 ]

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1. Define plasmodesmata. [ 1 ]
2. Define dictyosomes. [ 1 ]
3. Kitchen of the cell is known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_ [ 1 ]
4. Outer membrane of vacuole is known as \_\_\_\_\_\_\_\_\_\_\_\_\_. [ 1 ]
5. Name two semi-autonomous organelles. [ 1 ]
6. Define uniport and symport transportation. [ 2 ]
7. Define Leucoplast and their components. [ 2 ]
8. Why lysosomes is known as suicidal bag of the cell? [ 2 ]
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