Test –Biology [Ch: 1 &2]

Class-11th[E.M]

//// ACADEMY

Time:Hour

Total Marks-40

Part-A [10 Marks]

1. Animal cells are connected by \_\_\_\_\_\_\_
2. Desmosome B) Cell wall C) Cell Membrane D) Plasmodesmata
3. The endomembrane system does not include which of the following?
4. Lysosome B) Vacuole C) Golgi complex D) Peroxisome
5. **Which Organelles serve as major packaging regions for molecules distributed throughout the cell?**

A) Vacuole B) Plastid C) Mitochondria D) Golgi bodies

4. Which of the following are not membrane-bound?

a) Ribosomes b) Mesosomes c) Vacuoles d) Lysosomes

5. Middle lamella is mainly composed of\_\_\_\_\_\_

a) Hemicellulose b) Muramic acid c) Calcium pectate d) Phosphoglycerides

6. The nuclear envelope is a derivative of

a) Membrane of Golgi complex b) Smooth endoplasmic reticulum

c) Rough endoplasmic reticulum d) Microtubules

7. The two subunits of ribosome remain united at a critical ion level of

a) Calcium b) Manganese c) Magnesium d) Copper

8. Peptide synthesis inside a cell takes place in

a) Ribosomes b) Mitochondria c) Chromoplast d) Chloroplast

9.  Which one of the following is not a constituent of the cell membrane?

a) Cholesterol b) Phospholipids c) Glycolipids d) Proline

10. The site of respiration in bacteria is

a) Mesosome b) Episome c) Microsome d) Ribosome

Part-B [20 Marks]

**🡪Each question carries 2 marks [6]**

1. **State the characteristics of prokaryotic cells.**
2. **What is the biochemical composition of the plasma membrane?**
3. **Explain cis trans arrangement of golgi bodies.**

**🡪Each question carries 3 marks [6]**

1. Cell is the basic unit of life. Discuss in brief.
2. What is a mesosome in a prokaryotic cell? Mention the functions that it performs

**🡪Each question carries 4 marks [8]**

1. Name two cell-organelles that are double membrane bound. What are the characteristics of these two organelles? State their functions and draw labelled diagrams of both.
2. **Differentiate between Smooth Endoplasmic Reticulum and Rough Endoplasmic Reticulum.**

*ALL THE BEST*

*3*