

MULTIPLE CHOICE QUESTIONS- BIOMOLECULES

1. Which particular nitrogenous base is present in DNA and not in RNA?:

- a) Adenine b) Thymine c) Uracil d) Cytosine

2. Which monomer unit after polymerization forms proteins?:

- a) Monosaccharides b) Nucleotides c) Fatty acids d) Amino acids

3. Number of fatty acid residues found in one molecule of fat is:

- a) 1 b) 2 c) 3 d) 4

4. An enzyme that brings about structural changes of a compound without altering its molecular weight is:

- a) Diastase b) Ligase c) Lyase d) Isomerase

5. Which is the most abundant enzyme on the earth?

- a) Catalase b) Invertase c) Rubisco d) Nitrogenase

6. An organic substance bound to an enzyme and essential for its activity is called:

- a) coenzyme b) holoenzyme c) apoenzyme d) isoenzyme

7. The scientist who coined the term enzyme is:

- a) Kuhne b) Berzilius c) Bloor d) Sumner

8. Which of the following does not contain DNA:

- a) Sperm b) Ovum c) Mature RBCs d) Chloroplast

9. Cytoskeleton is made up of:

- a) Cellulosic microfibrils b) Proteinaceous filaments
c) Calcium carbonate filaments d) Callose deposits

10. An elaborate network of filamentous proteinaceous structures present in the cytoplasm which helps in the maintenance of cell shape is called:

- a) thylakoid b) endoplasmic reticulum c) plasmalemma
d) cytoskeleton

11. The plasma membrane consists mainly of:

- a) proteins embedded in a carbohydrate bilayer
b) phospholipids embedded in a protein bilayer
c) proteins embedded in a phospholipid bilayer
d) proteins embedded in a polymer of glucose molecules

ANSWER – KEY

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|------|------|--|--|--|
| 1-b | 11-c | | | |
| 2-d | | | | |
| 3-c | | | | |
| 4-d | | | | |
| 5-c | | | | |
| 6-a | | | | |
| 7-a | | | | |
| 8-c | | | | |
| 9-b | | | | |
| 10-d | | | | |