



SHIKSHA CLASSES

Subject : Biology

Question Paper

Total Marks :25

Class : XI

6 : Biomolecules

Time : 1 Hour

SECTION A

Q.1 : Choose the correct option : 4

i) Linoleic, Linolenic and _____ acids are referred as essential fatty acids since they cannot be synthesized by the body and hence must be included in daily diet.

- a) Arachidonic b) Oleic
c) Steric d) Palmitic

ii) Glycosidic bond is found in

- a) Disaccharide b) Nucleosides
c) Polysaccharide d) All of these

iii) When inorganic ions or metallo-organic molecules bind to apoenzyme, they together form

- a) isoenzyme b) holoenzyme
c) denatured enzyme d) none of these

iv) Lipids associated with cell membrane are

- a) Spingomyelin b) Isoprenoids
c) Phospholipids d) Cholesterol

Q.2 : Answer the following : 2

- i) What is reducing sugar.
ii) What is peptide bond.

SECTION B

Answer the following : (ANY 3) 6

Q.3 : Write a note on starch.

Q.4 : Explain the secondary structure of protein with examples.

Q.5 : Write a note on t-RNA.

Q.6 : How are enzymes named.

Q.7 : Write a note on secondary metabolites.

SECTION C

Answer the following : (ANY 3) 9

Q.8 : Write a short note on Disaccharides.

Q.9 : Write a note on : a) Glucose
b) Galactose

Q.10 : Explain the secondary structure of protein with example.

Q.11 : Differentiate between DNA & RNA.

Q.12 : What are the types of RNA? Mention the rate of m-RNA and r-RNA .

SECTION D

Answer the following : (ANY 1) 4

Q.13 : Describe the structure of DNA.

Q.14 : Describe classes of proteins with their importance.

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