



# BIOLOGY

## BOOKS - SUPER COMPANION 5 IN 1

### BIOMOLECULES

#### One Mark Questions And Answers

1. Give two examples for monosaccharides.



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2. Give two examples for oligosaccharides.



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3. What are monosaccharides?



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4. What are amino acids?



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5. What are metabolites?



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6. What is holoenzyme?



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7. What are biomolecules?



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**8. What are saturated fatty acids?**



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**9. What are unsaturated fatty acids?**



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**10. What is a nucleoside?**



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**11.** How a nucleotide is formed?



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**12.** Which are the building blocks of proteins?



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**13.** How many types of amino acids are present in a protein?



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**14.** What are non-essential amino acids?



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**15.** How can a human get essential amino-acids?



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**16.** Name the polysaccharide form of the exoskeleton of arthropods.



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**17.** Which are the building blocks of nucleic acids?



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**18.** Name the pentose sugar present in DNA.



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**19.** Name the pentose sugar present in RNA.



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**20.** By which bond are the amino acids linked in a protein?



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21. In polysaccharides, by which bond are the mono saccharides linked?



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## Two Marks Questions And Answers

1. What are homopolysaccharides? Give two examples.



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2. What are polysaccharides? Give two examples.



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3. What are simple lipids? Give two examples.



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4. What are macromolecules? Give examples.



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5. Illustrate a glycosidic, peptide and a phospho-diester bond.



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6. What is meant by tertiary structure of proteins?



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7. Explain the composition of triglyceride.



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8. Draw the structure of the amino acid. Alanine.



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9. What are compound lipids? Give two examples.



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10. Write a brief note on rRNA?



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## Three Marks Questions With Answers

1. Find out a qualitative test for proteins fats and olis, amino acids and test any fruit juice, saliva, sweat and urine for them.



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2. Select the appropriate chemical bond among ester bond, glycosidic bond, and peptide bond and write against each of the following: (a) Polysaccharide (b) Protein (c ) Fat (d) Water.



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3. Write the name of any one amino acid, nucleotide and fatty acid.



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## Five Mark Questions And Answers

1. Describe the important properties of enzymes.



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2. Describe the various forms of lipids with a few examples.



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