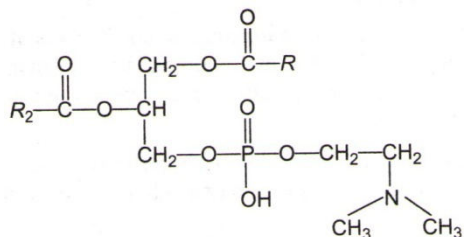
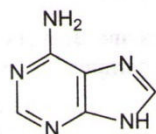




5. Which one of the following structural formulae of two organic compounds is correctly identified along with its related function?



(A)



(B)

- a) A- Triglyceride major-Source of energy  
 b) B- Uracil -A component of DNA  
 c) A-Lecithin -A component of cell membrane  
 d) B-Adenine -A nucleotide that makes up nucleic acids
6. Silk consists of  
 a) Central core of sericin  
 b) Central core of fibroin  
 c) Both (a) and (b)  
 d) A fine mixture of fibroin and sericin
7. Which statement regarding coenzyme is incorrect?  
 a) Every coenzyme is a cofactor and every cofactor is a coenzyme  
 b) Every coenzyme is a cofactor but every cofactor is not a coenzyme  
 c) Most of the coenzymes are nucleotides and are composed of vitamins  
 d) Coenzymes are the active constituents of enzymes
8. The rate of the reaction doubles or decreases by half, for every... °C change in either direction  
 a) 10°                      b) 15°                      c) 20°                      d) 27°
9. Enzyme often have additional parts in their structures that are made up of molecules other than proteins. When this additional chemical part is an organic molecule, it is called  
 a) Cofactor                      b) Coenzyme                      c) Substrate                      d) Both (a) and (b)
10. Which one is imino acid?  
 a) Pepsin                      b) Proline                      c) Cysteine                      d) Rennin



19. The pyrimidine base, which confers additional stability to DNA over RNA, is  
a) Adenine                      b) Guanine                      c) Cytosine                      d) Thymine
20. If the total amount of adenine and thymine in a double-stranded DNA is 60%, then the amount of guanine in this DNA will be  
a) 15%                      b) 20%                      c) 30%                      d) 40%

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