

BIOLOGY

11. Proteolytic enzyme not found in adult's digestive system is -
[NCERT XI Pg. No. 262 and 263]
- (1) Renin
 - (2) Pepsin
 - (3) Rennin
 - (4) Carboxypeptidase
12. The number of nucleotides present in bacteriophage $\phi \times 174$ are
[NCERT XII Pg. No. 96]
- (1) 5386 nucleotides
 - (2) 5386 bp
 - (3) 48502 bp
 - (4) 48502 nucleotides
13. Which of the following is a nucleoside?
[NCERT XII Pg. No. 96]
- (1) Adenine
 - (2) Guanine
 - (3) Cytidine
 - (4) Uracil
14. Which of the following nitrogen base is not common for both DNA and RNA?
[NCERT XII Pg. No. 96]
- (1) Adenine
 - (2) Guanine
 - (3) Cytosine
 - (4) Thymine
15. Which of the following constitute backbone of a polynucleotide chain?
[NCERT XII Pg. No. 96]
- (1) Nitrogen base and Phosphate
 - (2) Phosphate and Sugar
 - (3) Sugar and Nitrogen base
 - (4) Both (1) and (3)
16. Additional -OH group is present at ___¹ of ribose sugar [NCERT XII Pg. No. 97]
- (1) 1st Carbon
 - (2) 2nd Carbon
 - (3) 3rd Carbon
 - (4) 5th Carbon
17. DNA as an acidic substance present in nucleus was first identified by
[NCERT XII Pg. No. 97]
- (1) Frederick Griffith
 - (2) James Watson
 - (3) Friedrich Meischer
 - (4) Maurice Wilkins
18. If the composition of nucleotides A = 55, U = 23, C = 12, G = 10 then the type of genetic material is
[NCERT XII Pg. No. 97]
- (1) ds DNA
 - (2) ss DNA
 - (3) ds RNA
 - (4) ss RNA
19. If a DNA consists of 5 pitches, Adenine constitute 25 bases, calculate the total number of hydrogen bonds
[NCERT XII Pg. No. 97]
- (1) 50
 - (2) 125
 - (3) 75
 - (4) 100
20. Distance between 2 base pairs in a DNA
[NCERT XII Pg. No. 97]
- (1) 0.34 nm
 - (2) 3.4 nm
 - (3) 34 Å
 - (4) 20 Å