

# Q1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

00 : 40 : 28

Question 34 / 40

RNA is double-stranded; while DNA is single-stranded.

1.  False
2.  True

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إجابة السؤال

01 : 25 : 59

Question 5 / 60

**Positively charged amino acids are those that contain:**

1.  A carboxyl group
2.  An amino group in the side chain
3.  An amino group
4.  A carboxyl group in the side chain

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السؤال الخامس

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Q3

إضغط على الرقم للانتقال مباشرة للمؤال

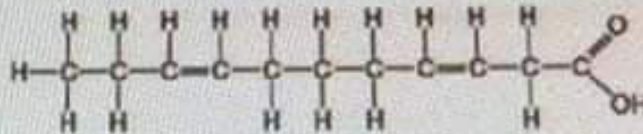
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20  
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

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Question 12 / 40

The molecule shown in the above figure is a

1.  polypeptide.
2.  polysaccharide.
3.  saturated fatty acid.
4.  unsaturated fatty acid.



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إضافة ملاحظة

# Q4

سؤال رقم 23 من 40

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20  
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

00 : 41 : 39

Question 23 / 40

Which of the following is an example of hydrolysis?

1.  the reaction of two monosaccharides, forming a disaccharide with the release of water
2.  the synthesis of two amino acids, forming a peptide with the release of water
3.  the reaction of a fat, forming glycerol and fatty acids with the release of water
4.  the reaction of a fat, forming glycerol and fatty acids with the addition of water

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إضافة ملاحظة

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Q5

01 : 29 : 39

Question 1 / 60

A polypeptide can best be described as a

1.  monomer of a protein polymer.
2.  polymer containing 20 amino acid molecules.
3.  polymer containing 20 peptide bonds.
4.  polymer of amino acids.

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إضافة ملاحظة

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FUJITSU

Q6

01 : 14 : 5

Question 4 / 60

**Pyrimidines**

1.  are always paired with a purine
2.  are thymine and cytosine
3.  are adenine and guanine
4.  two answers are true

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السؤال التالي

Q7

1 2 3 4 5 6 7 8  
21 22 23 24 25 26 27 28  
41 42 43 44 45 46 47 48

01 :

Question 4 / 60

If 20% of an organism's DNA is guanine. Then

- 30% thymine
- 20% cytosine
- 80% purines
- Two answers are correct

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مسئله 4 من 60

# Q8

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

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Question 17 / 60

Complementary nitrogenous bases in the DNA molecule are covalently bonded to each other.

- 1.  True
- 2.  False

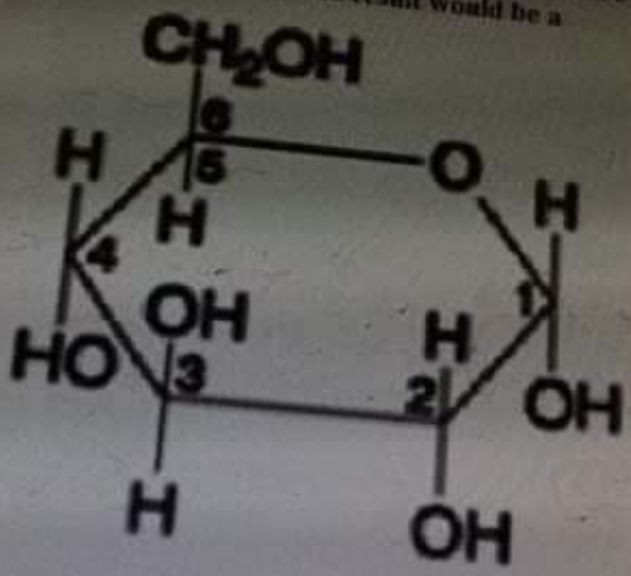
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[إجابة السؤال](#)



# Q9

If 100 molecules of the general type shown in the above figure were covalently joined together in a sequence, the single molecule that would result would be a



- 1.  polypeptide.
- 2.  polysaccharide.
- 3.  fatty acid.
- 4.  nucleic acid.

# Q10

إضغط على الرقم للانتقال مباشرة للسؤال

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20  
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

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Question 21 / 40

If one strand of a DNA molecule has the sequence of bases ATTGCA, the other complementary strand would have the sequence

1.  UAACGU.
2.  TUUCGU.
3.  TAACGT.
4.  TAAGCT.

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إسالة ملاحظة

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# Q11

بصعد على الرقم للانتقال مباشرة للسؤال

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20  
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

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Question 19 / 40

Which of the following pairs of base sequences could form a short segment of a normal double helix of DNA?

1.  5'-A-G-C-T-3' with 3'-T-C-G-A-5'
2.  5'-G-C-G-C-3' with 5'-T-A-T-A-3'
3.  5'-A-T-G-C-3' with 5'-G-C-A-T-3'
4.  5'-A-T-G-C-3' with 3'-G-C-U-T-5'

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إضافة ملاحظة

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# Q12

21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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Question 28 / 40

Hydrophobic interactions stabilize the alpha helix structure of proteins.

1.  True
2.  False

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إنتهاء الامتحان

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# Q13

21 22  
41 42 43 44

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Question 15 / 60

Nucleosides are the same as nucleotides.

1.  False
2.  True

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تمت

# Q14

إضغط على الرقم للانتقال مباشرة للسؤال

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20  
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

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Question 16 / 40

What maintains the secondary structure of a protein?

1.  disulfide bridges
2.  ionic bonds
3.  hydrogen bonds
4.  peptide bonds

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إشارة لاحقة

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# Q15

1 21 22 23 24 25 26 27 28 29 30  
31 32 33 34 35 36 37 38 39 40

00:28:4

Question 47/60

What is a fat or triacylglycerol?

1. c a fat or triacylglycerol
2. c a kind of lipid that makes up much of the plasma membrane
3. c a molecule formed from three alcohols
4. c a lipid made of three fatty acids and glycerol
5. c a carbohydrate with three sugars

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hp

# Q16

1 21 31 41 2 22 32 42 3 23 43 4 24 44 5 25 45 6 26 46 7 27 47 8 28 48 9 29 49 10 30 50 11 31 51 12 32 52 13 33 53 14 34 54 15 35 55

00:27:27

Question 54 / 60  
If the sequence of bases in DNA is TAGC, then the sequence of bases in RNA will be

1. c ATCG
2. c AUCG
3. c UAGC
4. c Two answers are correct

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سؤال سابق سؤال تالي



# Q17

اضغط على الرقم للانتقال مباشرة للسؤال

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20  
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

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Question 14 / 40

When changing the sequence of one amino acid in a protein then the primary structure of that protein will change.

1.  False
2.  True

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إعادة ملاحظة

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# Q18

00 : 41 : 6

Question 13 / 60

In a DNA molecule, the nucleotides in each strand are covalently bonded to one another

1.  True
2.  False

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إضافة علامة

# Q19

01 : 27 : 33

Question 2 / 60

The tertiary structure of a protein is the:

1.  bonding together of several polypeptide chains by weak bonds.
2.  order in which amino acids are joined in a polypeptide chain.
3.  three-dimensional shape of the fully folded polypeptide.
4.  organization of a polypeptide chain into an alpha helix or beta pleated sheet.

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المسألة التالية

# Q20

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Question 32 / 40

Negatively charged amino acids are those that contain a carboxyl group in their side chains.

1.  False
2.  True

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إمتحان أونلاين

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# Q21

00 : 23 : 12

Question 43 / 60

The number of peptide bonds present in a protein consisting of 401 amino acids is: 401.

1.  False
2.  True

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إضافة ملاحظة

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Q13:1	Q14:3	Q15:3	Q16:2	Q17:2	Q18:1
Q19:3	Q20:2	Q21:1			

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