

VIRTUAL UNIVERSITY OF PAKISTAN

A Good Education is a Foundation For a Better Future

CORRECT ANSWER SOLVED BY HADI
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Best of luck!



Question # 1 of 30 (Start time: 03:22:17 PM, 26 June 2021)

Total Marks: 1

DNA has negative charge due to the presence of ----

Select the correct option:

[Reload Math Equations](#)

☒	Phosphate group
☐	Hydroxyl group
☐	Nitrogen base
☐	Ribose sugar

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Question # 14 of 30 (Start time: 03:31:56 PM, 26 June 2021)

Total Marks: 1

Hershey and chase proposed that DNA is heredity material in---

Select the correct option

- | | |
|----------------------------------|------|
| ☐ | 1930 |
| ☒ | 1944 |
| ☐ | 1970 |
| ☐ | 1988 |

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Question # 16 of 30 (Start time: 03:32:34 PM, 26 June 2021)

Total Marks: 1

ATP hydrolysis releases energy of ...

Select the correct option

☐	121kcal/mol	
☐	12kcal/mol	
☐	+12cal/mol	
☒	-12kcal/mol	

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Question # 4 of 30 (Start time: 03:24:43 PM, 26 June 2021)

Total Marks: 1

Small subunit of ribosome contain ---- polypeptides

Select the correct option

[Reload Math Equations](#)

- | | |
|----------------------------------|-----------------|
| ☐ | 65 polypeptides |
| ☐ | 55 polypeptides |
| ☐ | 44 polypeptides |
| ☒ | 33 Polypeptides |

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Question # 5 of 30 (Start time: 03:25:21 PM, 26 June 2021)

Total Marks: 1

Central dogma is -----

Select the correct option

[Reload Math Equations](#)

- | | |
|----------------------------------|-------------------|
| ☒ | DNA→RNA→proteins |
| ☐ | RNA-DNA-Enzymes |
| ☐ | DNA-DNA-proteins |
| ☐ | DNA→proteins →DNA |

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Question # 27 of 30 (Start time: 11:58:39 PM, 28 December 2020)

Total Marks: 1

How many dollars were spent on human genome sequence?

Select the correct option

☐	6 billion U.S dollar	
☐	5 billion U.S dollar	
☐	4 billion U.S dollar	
☒	2.7 billion U.S dollar	

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Question # 12 of 30 (Start time: 03:31:27 PM, 26 June 2021)

Total Marks: 1

Carbon is ---- element

Select the correct option

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☐	Divalent
☐	Monovalent
☒	Tetravalent
☐	Trivalent

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Question # 23 of 30 (Start time: 03:36:43 PM, 26 June 2021)

Total Marks: 1

Microfilaments ,microtubules and intermediate filaments form-----structure

Select the correct option

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☒	Cytoskeleton
☐	Endoplasmic reticulum
☐	Golgi bodies
☐	Nucleus

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Question # 11 of 30 (Start time: 03:29:55 PM, 26 June 2021)

Total Marks: 1

Which one the following molecule helps in absorption of energy in membrane _____

Select the correct option

☐	Phospholipids	
☐	Non polar fatty acids	
☐	Membrane pigments	
☒	Polar fatty acids	

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Question # 13 of 30 (Start time: 03:31:42 PM, 26 June 2021)

Total Marks: 1

DNA wraps around protein forming _____ structure

Select the correct option

☐	Gene
☐	Chromosome
☒	Nucleosome
☐	Chromatin

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Question # 21 of 30 (Start time: 03:35:25 PM, 26 June 2021)

Total Marks: 1

Following has a major role in down syndrome

Select the correct option

☒	Maternal age
☐	Child age
☐	Relative age
☐	Fraternal age

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Question # 21 of 30 (Start time: 11:53:44 PM, 28 December 2020)

Total Marks: 1

Delta G (Tangent free energy)tells us the ...

Select the correct option

☐	Products quantity at the end of the reaction	
☐	Speed of the reaction	
☐	initial quantity of reactants before the start of reaction	
☐	equilibrium point of the reaction	

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Question # 24 of 30 (Start time: 11:56:27 PM, 28 December 2020)

Total Marks: 1

Which cation is placed in the catalytic subunit of RNA polymerase?

Select the correct option:

- | | |
|----------------------------------|------------------|
| ☐ | Zn ²⁺ |
| ☐ | Mn ²⁺ |
| ☒ | Mg ²⁺ |
| ☐ | Fe ³⁺ |

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Question # 30 of 30 (Start time: 12:00:14 AM, 29 December 2020)

Total Marks: 1

RFLP involves

Select the correct option

☐	used to identify a specific protein	0
☐	Used to identify a specific RNA	0
☒	Used to identify a specific DNA	1
☐	Used to identify a specific lipid	0

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Question # 24 of 30 (Start time: 03:36:59 PM, 26 June 2021)

Total Marks: 1

Nucleolus is present in---

Select the correct option

Reload Math Equations

☐	Cytoplasm
☐	Chloroplast
☒	Nucleus
☐	Mitochondria

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Question # 10 of 30 (Start time: 11:45:00 PM, 28 December 2020)

Total Marks: 1

Which of the following are characters of turner syndrome:

Select the correct option

☐	Lymphoedema	
☐	Broad chest	
☐	Short stature	
☒	All mentioned	

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Question # 22 of 30 (Start time: 11:54:42 PM, 28 December 2020)

Total Marks: 1

In a bacterial operon, which is located downstream of the structural genes?

Select the correct option

☒	operator	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922	
☐	inducer		
☐	promoter		
☐	regulatory gene		

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Question # 14 of 30 (Start time: 11:49:44 PM, 28 December 2020)

Total Marks: 1

Alkaptonuria is more prevalent in case of cousin marriage and has percentage

Select the correct option

- | | | |
|----------------------------------|-------|--|
| ☐ | 10% | |
| ☒ | 12.5% | |
| ☐ | 13% | |
| ☐ | 19% | |

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Question # 15 of 30 (Start time: 11:50:10 PM, 23 December 2020)

Total Marks: 1

----site on ribosome where charged tRNA lands with the help of transfer factor

Select the correct option

☐	E site
☒	T site
☐	A site
☐	P site

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Question # 6 of 30 (Start time: 03:25:37 PM, 26 June 2021)

Total Marks: 1

Formation of NH_3 molecule from H_2 and N_2 is carried out at _____ temperature

Select the correct option

☐	350-400 °C	
☐	150-200 °C	
☐	250-300 °C	
☒	450-500 °C	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL: hadirajputofficial@gmail.com WHATSAPP & CALL: 03087122922

Question # 29 of 30 (Start time: 03:38:49 PM, 26 June 2021)

Total Marks: 1

Cutting of plasmid and inserting foreign gene into it is done in-

Select the correct option

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☐	Biochemistry
☐	Biotechnology
☐	Molecular genetics
☒	Genetic engineering

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Question # 1 of 30 (Start time: 11:37:39 PM, 28 December 2020)

Total Marks: 1

The general formula of carbohydrates is

Select the correct option

- | | | |
|----------------------------------|--|---|
| ☒ | CH ₂ O | <div>A Good Education is a Foundation For a Better Future</div> <div>CORRECT ANSWER SOLVED BY HADI
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| ☐ | CH ₂ O ₂ | |
| ☐ | C ₂ H ₂ O | |
| ☐ | C ₂ H ₂ O ₂ | |

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Question # 2 of 30 (Start time: 11:38:10 PM, 28 December 2020)

Total Marks: 1

The catalytic unit of RNA polymerases when placed properly during initiation is just over _____

Select the correct option

☐	-1 site	
☐	0 site	
☒	+1 site	
☐	-10 site	

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Question # 3 of 30 (Start time: 11:39:57 PM, 28 December 2020)

Total Marks: 1

The larger subunits of ribosome contain ---number of rRNA

Select the correct option

☐	1
☐	2
☒	3
☐	4

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Question # 23 of 30 (Start time: 11:56:14 PM, 28 Decomber 2020)

Total Marks: 1

Peptide bond is linkage between --- and --- form proteins

Select the correct option

☐	Carbon ,hydrogen	
☒	Carbon ,nitrogen	
☐	Carbon ,oxygen	
☐	Carbon ,sulphur	

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Question # 29 of 30 (Start time: 11:59:59 PM, 28 December 2020)

Total Marks: 1

_____ type of transport does not require any input of energy to drive the process.

Select the correct option

- ☒ Passive Transport
- ☐ Active transport
- ☐ Diffusion
- ☐ Effusion

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