

VIRTUAL UNIVERSITY OF PAKISTAN

A Good Education is a Foundation For a Better Future

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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

[Reveal Math Equations](#)

☐	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

Reload Math Equations

☒	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	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922
☐	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 | 0/1 |
| ☐ | Used to identify a specific RNA | 0/1 |
| ☒ | Used to identify a specific DNA | 1/1 |
| ☐ | Used to identify a specific lipid | 0/1 |

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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: 11:45:06 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
☐	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% | <div>A Good Education is a Foundation For a Better Future
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| ☐ | 13% | |
| ☐ | 19% | |

Question # 15 of 30 (Start time: 11:50:10 PM, 28 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

[Reload Math Equations](#)

☐	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_2O | <div>A Good Education is a Foundation For a Better Future</div> <div>CORRECT ANSWER SOLVED BY HADI
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| ☐ | CH_2O_2 | | |
| ☐ | $\text{C}_2\text{H}_2\text{O}$ | | |
| ☐ | $\text{C}_2\text{H}_2\text{O}_2$ | | |

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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	10
☒	Carbon ,nitrogen	10
☐	Carbon ,oxygen	10
☐	Carbon ,sulphur	10

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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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