

VIRTUAL UNIVERSITY OF PAKISTAN

A Good Education is a Foundation For a Better Future

CORRECT ANSWER SOLVED BY HADI
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MID TERM PAST PAPER

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Best of luck!



Question # 28 of 30 (Start time: 12:27:38 PM, 24 June 2021)

Total Marks: 1

Protein is extracted from

Select the correct option

☐	rRNA
☒	mRNA
☐	tRNA
☐	All

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Question # 29 of 30 (Start time: 08:23:23 PM, 27 December 2020)

Total Marks: 1

The first method for sequencing proteins was ____ method

Select the correct option

☒	Sanger and Tupy's
☐	Shotgun sequencing
☐	Illumina Sequencing
☐	None

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Question # 30 of 30 (Start time: 08:24:05 PM, 27 December 2020)

Total Marks: 1

133. Multiple sequence alignment method is called as _____ alignment method.

Select the correct option

☐	Non-progressive	
☒	Progressive	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922
☐	Local	
☐	Global	

Question # 29 of 30 (Start time: 08:45:32 PM, 27 December 2020)

Total Marks: 1

Protein databases are classified on the bases of ____

Select the correct option

☒	Protein structure, sequences and motif	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922
☐	Protein sequence, domain and motif	
☐	Protein structure, domain and motif	
☐	Protein structure, sequences and domain	

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Question # 29 of 30 (Start time: 10:19:03 AM, 24 June 2021)

Total Marks: 1

Regulatory motif are generally found in ____

Select the correct option

☐	Promoter region of RNA	
☐	None of the above	
☒	Promoter region of DNA	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL: hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922
☐	Promoter region of mRNA	

Question # 21 of 30 (Start time: 08:41:37 PM, 27 December 2020)

Total Marks: 1

Plant devote half of their genome to _____.

- Information
- All

Select the correct option

☒	Energy metabolism
☐	Locomotion
☐	Sensitivity
☐	Cell migration

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Question # 12 of 30 (Start time: 09:42:46 AM, 24 June 2021)

Total Marks: 1

Median String Problem is one of the ways to find ____

Select the correct option

☐	MSA	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922
☒	Motif	
☐	Protein Model	
☐	Phylogenetic tree	

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Question # 22 of 30 (Start time: 07:18:55 PM, 27 December 2020)

Total Marks: 1

Most of the modern-day sequencing employs variants of _____

Select the correct option

☒	Sanger method	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922	/
☐	Shotgun method		/
☐	Illumina sequencing		/
☐	Pyro-Sequencing		/

Question # 14 of 30 (Start time: 01:05:42 PM, 24 June 2021)

Total Marks: 1

Which of the statement is correct for prokaryotic genomes.

Select the correct option

☐	Lack DNA	
☐	Have larger genome	
☐	Have Tandem Repeats	
☒	Lack mitochondria	

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Question # 16 of 30 (Start time: 07:13:49 PM, 27 December 2020)

Total Marks: 1

The size of Hemophilus Influenzae genome is

Select the correct option

- | | | |
|----------------------------------|-----------------|--|
| ☐ | 0.25 million bp | |
| ☒ | 1.8 million bp | |
| ☐ | 3 million bp | |
| ☐ | 10 million | |

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Question # 11 of 30 (Start time: 01:00:31 PM, 24 June 2021)

Total Marks: 1

Which one is a start codon.

Select the correct option

☒	AUG	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922	
☐	UAA		
☐	UGA		
☐	UAG		

Question # 23 of 30 (Start time: 07:19:20 PM, 27 December 2020)

Total Marks: 1

SINES are _____ base pair long transposable elements.

Select the correct option

☒	80 - 300
☐	6 - 8
☐	300 - 600
☐	Greater than 600

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Question # 5 of 30 (Start time: 12:20:25 PM, 24 June 2021)

Total Marks: 1

Arrangement of genes on the chromosomes is known as _____

Select the correct option

☐	None	
☒	Synteny	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922
☐	Assembly	
☐	Annotation	

Question # 1 of 30 (Start time: 10:07:05 AM, 24 June 2021)

Total Marks: 1

Which one is not biological databases?

Select the correct option

☐	Protein databases
☐	RNA databases
☐	Nucleotide databases
☒	Oracle database

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Question # 6 of 30 (Start time: 09:15:43 AM, 24 June 2021)

Total Marks: 1

Which one is not a stop codon.

Select the correct option:

☒	UAU	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL: hadirajputofficial@gmail.com WHATSAPP& CALL: 03087122922
☐	UAA	
☐	UAG	
☐	UGA	

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Question # 9 of 30 (Start time: 08:32:55 PM, 27 December 2020)

Total Marks: 1

Translation is the _____

Select the correct option

- | | | |
|----------------------------------|---|--|
| ☐ | Synthesis of RNA from a DNA template | |
| ☐ | Synthesis of RNA from a mRNA template | |
| ☒ | Synthesis of protein from a mRNA template | |
| ☐ | Synthesis of DNA form a mRNA template | |

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Question # 12 of 30 (Start time: 08:35:05 PM, 27 December 2020)

Total Marks: 1

In human genome project total _____ bases were sequenced.

Select the correct option

- ☒

3.4 billion bp
- ☐

1 billion bp
- ☐

2 billion bp
- ☐

7 billion bp

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Question # 20 of 30 (Start time: 08:40.07 PM, 27 December 2020)

Total Marks: 1

Time complexity of Knuth-Morris-Pratt Algorithm is _____

•

•

•

Select the correct option

☐	N log n	
☒	Log n	
☐	Non-Linear	
☐	Linear	

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Question # 14 of 30 (Start time: 09:43:48 AM, 24 June 2021)

Total Marks: 1

_____ use actual distances usually measured in number of base pairs.

Select the correct option

☐	Gene mapping
☐	Intron mapping
☐	Exon mapping
☒	Physical mapping

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Question # 18 of 30 (Start time: 08:38:25 PM, 27 December 2020)

Total Marks: 1

Next vertex algorithm provides as an output ____

Select the correct option

☒	Cheap
☐	Costly
☐	Efficient
☐	Slow

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Question # 19 of 30 (Start time: 10:00:52 AM, 24 June 2021)

Total Marks: 1

Simple Motif Search Algorithm is based on _____

Select the correct option

☒	Next Vertex	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL: hadirajputofficial@gmail.com WHATSAPP& CALL: 03087122922	
☐	Branch and Bound		
☐	None of these		
☐	Brute Force		

Question # 27 of 30 (Start time: 07:23:23 PM, 27 December 2020)

Total Marks: 1

The process of formation of RNA is known as _____

Select the correct option

☐	DNA Repair
☐	Translation
☒	Transcription
☐	Replication

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Question # 5 of 30 (Start time: 08:06:36 PM, 27 December 2020)

Total Marks: 1

To find the conserved sequence pattern _____ alignment procedure is used.

Select the correct option

☐	Multiple Sequence Alignment	
☐	Pairwise Alignment	
☐	Global Alignment	
☒	Local Alignment	

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Question # 12 of 30 (Start time: 12:45:41 PM, 24 June 2021)

Total Marks: 1

The Length of Long Interspersed Nuclear Elements (LINE) is _____

Select the correct option

☐	1 - 2 kb
☒	6 - 8 kb
☐	8 - 12 kb
☐	12 - 16 kb

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Question # 17 of 30 (Start time: 12:03:41 PM, 24 June 2021)

Total Marks: 1

Waardenburg's syndrome is a genetic disorder in

Select the correct option

☐	Human
☐	Rice
☐	Mouse
☒	All of these

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Question # 2 of 30 (Start time: 08:29:45 PM, 27 December 2020)

Total Marks: 1

_____ deals with the resources, devices, and methods required to optimize the acquisition, storage, retrieval, and use of information in health and biomedicine.

Select the correct option

☒	Health informatics
☐	Bioinformatics
☐	Geo informatics
☐	Chemoinformatics

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Question # 30 of 30 (Start time: 07:25:14 PM, 27 December 2020)

Total Marks: 1

Which one is not a model organism _____

Select the correct option

☐	C.elegans	
☐	E.coli	
☒	Elephant	
☐	Mouse	

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Question # 26 of 30 (Start time: 08:21:33 PM, 27 December 2020)

Total Marks: 1

RNA → DNA → RNA → protein is a process occurs in

Select the correct option

☒	retroviruses
☐	Heteroviruses
☐	Bacteria
☐	Plasmids

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Question # 13 of 30 (Start time: 07:11:02 PM, 27 December 2020)

Total Marks: 1

A _____ is an ordered sequence of symbols.

Select the correct option

☐	Short sequence	
☐	Motif	
☐	Alphabet	
☒	Pattern	

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Question # 14 of 30 (Start time: 07:11:18 PM, 27 December 2020)

Total Marks: 1

Nucleotide in RNA are joined by _____

Select the correct option

☐	5' - 3' hydrogen bond	
☐	3' - 5' hydrogen bond	
☒	3' - 5' phosphodiester bond	
☐	5' - 3' phosphodiester bond	

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Question # 13 of 30 (Start time: 09:59:18 AM, 24 June 2021)

Total Marks: 1

_____ is not an example of nucleotide database

Select the correct option

[Reload Math Equations](#)

☐	UCSC
☒	Uniprot
☐	Ensembl
☐	NCBI

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Question # 21 of 30 (Start time: 12:05:19 PM, 24 June 2021)

Total Marks: 1

Intron ends at ____ end as ____.

Select the correct option

☐	3' end as GT	
☐	3' end as AG	
☐	5' end as AG	
☒	5' end as GT	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL: hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922

Question # 19 of 30 (Start time: 12:48:16 PM, 24 June 2021)

Total Marks: 1

Which of the following statement is true for Eukaryotes?

Select the correct option

[Reload Math Equations](#)

☐	No introns
☐	No nucleus
☒	Contains chromosomes
☐	No mitochondrial genome

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Question # 29 of 30 (Start time: 10:04:31 AM, 24 June 2021)

Total Marks: 1

Which one is not a model organism_____

Select the correct option

- | | |
|----------------------------------|-----------|
| ☐ | C.elegans |
| ☐ | E.coli |
| ☒ | Elephant |
| ☐ | Mouse |

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Question # 14 of 30 (Start time: 08:13:47 PM, 27 December 2020)

Total Marks: 1

Which statement is incorrect for Satellite DNA _____

Select the correct option

☐	Present in Golgi bodies	
☒	Minisatellite and microsatellite	
☐	One to several thousand bp long	
☐	Tandem array of 100 million bases long	

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Question # 7 of 30 (Start time: 12:00:34 PM, 24 June 2021)

Total Marks: 1

_____ is not an example of nucleotide database

Select the correct option

[Reload Math Equations](#)

☐	UCSC
☒	Uniprot
☐	NCBI
☐	Ensembl

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Question # 29 of 30 (Start time: 09:32:25 AM, 24 June 2021)

Total Marks: 10

The size of Transposable elements is _____.

Select the correct option

☐	>500kb
☒	<1-2kb
☐	Between 5-8kb
☐	>100kb

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Question # 9 of 30 (Start time: 10:10:34 AM, 24 June 2021)

Total Marks: 1

Next vertex algorithm provides as an output ____

Select the correct option

☐	Next DNA sequence	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922
☒	Next subtree	
☐	Next leave	
☐	Next vertex	

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Question # 10 of 30 (Start time: 08:10:20 PM, 27 December 2020)

Total Marks: 1

Protein databases are classified on the bases of ____

Select the correct option

- | | | |
|----------------------------------|---|--|
| ☐ | Protein structure, sequences and motif | |
| ☐ | Protein sequence, domain and motif | |
| ☐ | Protein structure, domain and motif | |
| ☒ | Protein structure, sequences and domain | |

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- 3) GDB
- 4) GRAND QUIZZES

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