

VIRTUAL UNIVERSITY OF PAKISTAN

A Good Education is a Foundation For a Better Future

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MID TERM PAST PAPER

We Deal All Kind of VU Project
(PHP, .NET, ANDROID, PYTHON)

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WARNING: Team HADI is not responsible for any mistake or wrong answer. All students reading and using this document may check and confirm the answers at their own.



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Best of luck!



Question # 7 of 30 (Start time: 12:44:42 PM, 24 June 2021)

Total Marks: 1

Identification of drugs through genomic study is known as

Select the correct option

☐	Pharmacogenetics	
☐	Genomics	
☐	Chemoinformics	
☒	Pharmacogenomics	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL: hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922

Question # 12 of 30 (Start time: 09:19:11 AM, 24 June 2021)

Total Marks: 1

GPL record of GEO database is for _____

Select the correct option

☐	Datasets
☐	Samples
☐	Series
☒	Platform

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Question # 5 of 30 (Start time: 09:55:59 AM, 24 June 2021)

Total Marks: 1

A Genome Sequence is useless without

-
-
-
-

Select the correct option

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

Question # 22 of 30 (Start time: 10:15:06 AM, 24 June 2021)

Total Marks: 1

Proteomics is the study of

Select the correct option

☐	A specific protein	
☐	A specific gene	
☒	Entire set of proteins	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922
☐	A set of proteins in specific region of the cell	

Question # 19 of 30 (Start time: 09:25:36 AM, 24 June 2021)

Total Marks: 1

RNA is synthesized in _____.

Select the correct option

☐	Golgi bodies
☒	Nucleus
☐	Extracellular matrix
☐	Cytoplasm

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Question # 6 of 30 (Start time: 11:59:37 AM, 24 June 2021)

Total Marks: 1

Systic fibrosis gene is found on chromosome number

Select the correct option

☐	5
☐	6
☐	9
☒	7

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Question # 24 of 30 (Start time: 09:28:56 AM, 24 June 2021)

Total Marks: 1

Large portion of Eukaryotic Genome contain _____.

Select the correct option

☐	Coding region
☒	Transposable elements
☐	Promoter sequences
☐	Enhancer elements

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Question # 12 of 30 (Start time: 07:10:18 PM, 27 December 2020)

Total Marks: 1

A Genome Sequence is useless without

•
•
•
•

Select the correct option

☐	Assembly
☒	Annotation
☐	Both Assembly and Annotation
☐	None

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Question # 22 of 30 (Start time: 12:25:42 PM, 24 June 2021)

Total Marks: 1

_____ are used to identified human individuals in forensics.

Select the correct option

☐	STR
☐	SINE
☒	VNTR
☐	LINE

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Question # 23 of 30 (Start time: 10:16:18 AM, 24 June 2021)

Total Marks: 1

In FASTA format, the header of a given sequence starts with the symbol of

Select the correct option

[Reload Math Equations](#)

☐	<
☒	>
☐	\
☐	/

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Question # 25 of 30 (Start time: 10:18:18 AM, 24 June 2021)

Total Marks: 1

GDS record of GEO database is for _____

Select the correct option

☒	Dataset
☐	Platform
☐	Series
☐	Samples

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Question # 6 of 30 (Start time: 01:04:24 PM, 24 June 2021)

Total Marks: 1

Best resource to get microarray data is _____

Select the correct option

☐	Nucleotide database
☐	None
☒	Gene expression database
☐	Protein database

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Question # 17 of 30 (Start time: 09:22:54 AM, 24 June 2021)

Total Marks: 1

Exact Pattern Matching Algorithms is _____

Select the correct option

☐	Automata approach	MADE BY HADI Email:hadirajputofficial@gmail.com WhatsApp:03087122922 (Bitout Software House)
☐	Dynamic programming approach	
☐	Filtering and automation algorithm	
☒	Naive Brute Force Algorithm	
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Question # 1 of 30 (Start time: 12:57:38 PM, 24 June 2021)

Total Marks: 1

TBLASTN is frequently used for _____

Select the correct option

☐	Proteomes to Nucleotide databases	16
☐	Nucleotide to Proteomes databases	16
☐	EST to Proteomes databases	16
☒	Proteomes to EST databases	16

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Question # 15 of 30 (Start time: 08:15:04 PM, 27 December 2020)

Total Marks: 1

Translation occurs in the _____

Select the correct option

☐	Nucleus	
☒	Cytoplasm	
☐	Nucleolus	
☐	Lysosome	

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Question # 14 of 30 (Start time: 12:46:25 PM, 24 June 2021)

Total Marks: 1

Which option NCBJ uses for sequence submission.

Select the correct option

☐	File
☐	Record
☒	BANKit
☐	Entry

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Question # 2 of 30 (Start time: 10:07:50 AM, 24 June 2021)

Total Marks: 1

A _____ is an ordered sequence of symbols.

Select the correct option

☐	Motif	
☒	Pattern	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922
☐	Alphabet	
☐	Short sequence	

Question # 3 of 30 (Start time: 09:36:11 AM, 24 June 2021)

Total Marks: 1

Atlas of protein sequences of _____ was assembled by Margret Dayhoff.

Select the correct option

☒	Cytochrome	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL: hadirajputofficial@gmail.com WHATSAPP& CALL: 03087122922	
☐	Insulin		
☐	Actin		
☐	Dystrophin		

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Question # 12 of 30 (Start time: 09:58:37 AM, 24 June 2021)

Total Marks: 1

Genbank, DDBJ and EMBL joined together in _____

Select the correct option

☐	None
☐	Nucleotide Sequence Database Collaboration
☒	National Center for Biotechnology Information
☐	International Nucleotide Sequence Database Collaboration

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Question # 9 of 30 (Start time: 07:06:26 PM, 27 December 2020)

Total Marks: 1

Substitution Matrices is/are _____

Select the correct option

☐	BLOSUM
☐	PAM
☒	Both, PAM and BLOSUM
☐	None

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Question # 3 of 30 (Start time: 08:05:54 PM, 27 December 2020)

Total Marks: 1

Restriction enzymes break DNA molecule at ____

Select the correct option

☒	Specific location	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL: hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922	
☐	Random location		
☐	Promoter region		
☐	None of these		

Question # 27 of 30 (Start time: 08:44:38 PM, 27 December 2020)

Total Marks: 1

In protein synthesis process, _____ molecule is formed from DNA.

Select the correct option

☒	mRNA	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL-03087122922
☐	tRNA	
☐	Micro RNA	
☐	Mini RNA	

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Question # 22 of 30 (Start time: 08:42:20 PM, 27 December 2020)

Total Marks: 1

_____ plays important role in transfer of genetic information during protein synthesis.

Select the correct option

☒	RNA	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922	
☐	Lipids		
☐	Proteins		
☐	Carbohydrates		

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Question # 24 of 30 (Start time: 10:02:35 AM, 24 June 2021)

Total Marks: 1

The segment of DNA, able to transpose is known as

Select the correct option

☒	Insertion sequence	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922	
☐	Protein coding sequence		
☐	Substitution sequence		
☐	Promoter sequence		

Question # 18 of 30 (Start time: 07:16:22 PM, 27 December 2020)

Total Marks: 1

_____ are useful markers for genetic analysis and evolutionary studies.

Select the correct option

☒	Microsatellites	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922	
☐	Minisatellites		
☐	VNTRs		
☐	All		

Question # 3 of 30 (Start time: 12:18:35 PM, 24 June 2021)

Total Marks: 1

Eukaryotic genes possess _____ which are protein coding parts of the gene.

Select the correct option

☐	Promoter
☐	Exons
☒	Intron
☐	Enhancers

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Question # 20 of 30 (Start time: 08:17:39 PM, 27 December 2020)

Total Marks: 1

Chimera is used for

Select the correct option

☐	visualizing protein	✗
☐	Editing protein	✗
☐	Superimposition	✗
☒	Visualization and Editing	✓

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Question # 15 of 30 (Start time: 09:21:45 AM, 24 June 2021)

Total Marks: 1

Size of MITES (Miniature inverted repeat TEs) is _____

Select the correct option

☐	10bp
☒	400bp
☐	2000bp
☐	20bp

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Question # 29 of 30 (Start time: 07:24:15 PM, 27 December 2020)

Total Marks: 1

Consensus score is defined as

Select the correct option

☒	Score(s,DNA)	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL-03087122922	✓
☐	Score(s,Enhance')		✗
☐	Score(s, Sequencer)		✗
☐	None of these		✗

Question # 14 of 30 (Start time: 12:02:19 PM, 24 June 2021)

Total Marks: 1

_____ plays important role in transfer of genetic information during protein synthesis.

Select the correct option

☒	RNA	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922
☐	Lipids	
☐	Carbohydrates	
☐	Proteins	

Question # 24 of 30 (Start time: 09:47:58 AM, 24 June 2021)

Total Marks: 1

Which task is not the include in genome analysis

Select the correct option

☒	Cellular kinetics	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922
☐	Sequencing	
☐	Assembly	
☐	Gene prediction	

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Question # 28 of 30 (Start time: 08:22:49 PM, 27 December 2020)

Total Marks: 1

The enzyme used in transcription is _____

Select the correct option

☐	DNA helicase	
☐	DNA polymerase	
☐	RNA helicase	
☒	RNA polymerase	

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Question # 10 of 30 (Start time: 07:07:19 PM, 27 December 2020)

Total Marks: 1

Pre-order algorithm is a ____

Select the correct option

☐	Recursive	
☐	Non-recursive	
☐	Brute force	
☐	Branch bound	

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Question # 6 of 30 (Start time: 08:07:52 PM, 27 December 2020)

Total Marks: 1

_____ is/are the criteria for organisms selected for sequencing.

Select the correct option

☐	They had been subjected to a detailed biological analysis and thus were model organisms	
☐	Important human pathogens	
☐	They were of phylogenetic interest	
☒	All	

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Question # 13 of 30 (Start time: 09:43:30 AM, 24 June 2021)

Total Marks: 1

Transcription is the transfer of genetic information from ____

Select the correct option

☐	DNA to DNA	
☐	Protein to DNA	
☐	RNA to Protein	
☒	DNA to RNA	

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Question # 7 of 30 (Start time: 09:16:33 AM, 24 June 2021)

Total Marks: 1

Which statement is true for genetic code.

Select the correct option

☒	Is a triplet code	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922	
☐	It is made up of lipids		
☐	It is a tetra code		
☐	It is present in proteins		

Question # 5 of 30 (Start time: 09:37:31 AM, 24 June 2021)

Total Marks: 1

In human genome project total _____ bases were sequenced.

Select the correct option

☐	7 billion bp	
☐	2 billion bp	
☒	3.4 billion bp	
☐	1 billion bp	

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Question # 25 of 30 (Start time: 09:29:35 AM, 24 June 2021)

Total Marks: 1

In RNA, uracil pairs with _____

Select the correct option

☒	Adenine
☐	Cytosine
☐	Uracil
☐	Thymine

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Question # 27 of 30 (Start time: 09:31:05 AM, 24 June 2021)

Total Marks: 1

_____ jump from one location to another faster than chromosome replicate

Select the correct option

☐	All	
☐	Promoter sequences	
☐	Housekeeping genes	
☒	Transposable elements	

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Question # 15 of 30 (Start time: 12:02:39 PM, 24 June 2021)

Total Marks: 1

Human Genome Project was accomplished by

Select the correct option

☐	NCBI
☐	Second and third option
☐	Celera
☒	NHGRI

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- 3) GDB
- 4) GRAND QUIZZES

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