

# VIRTUAL UNIVERSITY OF PAKISTAN

A Good Education is a Foundation For a Better Future

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EMAIL: hadirajputofficial@gmail.com  
WHATSAPP & CALL: 03087122922

**HADI VU PAST PAPER**

## 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.



**WhatsApp: 03087122922**



**FACEBOOK ID:** <https://www.facebook.com/hadipastpapers/>

Best of luck!



Question # 29 of 30 ( Start time: 02:30:19 AM, 28 December 2020 )

Total Marks: 1

Arabidopsis Thaliana genomes has \_\_\_\_\_ genes and encodes \_\_\_\_\_ proteins.

Select the correct option

|                                  |              |   |
|----------------------------------|--------------|---|
| <input checked="" type="radio"/> | 27000, 35000 | / |
| <input type="radio"/>            | 2700, 3500   | / |
| <input type="radio"/>            | 35000, 35000 | / |
| <input type="radio"/>            | 27000, 27000 | / |

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Question # 2 of 30 ( Start time: 02:34:16 AM, 28 December 2020 )

Total Marks: 1

Bacterial genes mostly do not have \_\_\_\_\_

Select the correct option

|                                  |         |  |
|----------------------------------|---------|--|
| <input checked="" type="radio"/> | Introns |  |
| <input type="radio"/>            | Exons   |  |
| <input type="radio"/>            | DNA     |  |
| <input type="radio"/>            | Operons |  |

[Click to Save Answer & Move to Next Question](#)

Question # 1 of 30 ( Start time: 02:33:08 AM, 28 December 2020 )

Total Marks: 1

Meta genomics examine the phylogenetic diversity using \_\_\_\_\_

Select the correct option

|                                  |           |  |
|----------------------------------|-----------|--|
| <input type="radio"/>            | 16s ssRNA |  |
| <input type="radio"/>            | 16s sRNA  |  |
| <input checked="" type="radio"/> | 16s rRNA  |  |
| <input type="radio"/>            | 16s RNA   |  |

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Question # 4 of 30 ( Start time: 02:36:27 AM, 28 December 2020 )

Total Marks: 1

Most plants and animals have genomes greater than \_\_\_\_\_.

Select the correct option

|                                  |         |  |
|----------------------------------|---------|--|
| <input checked="" type="radio"/> | 100 Mb  |  |
| <input type="radio"/>            | 500 Mb  |  |
| <input type="radio"/>            | 1000 Mb |  |
| <input type="radio"/>            | 50 Mb   |  |

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Question # 3 of 30 ( Start time: 02:34:48 AM, 28 December 2020 )

Total Marks: 1

Human Genome Project was completed in \_\_\_\_\_.

Select the correct option.

|                                  |      |  |
|----------------------------------|------|--|
| <input type="radio"/>            | 1999 |  |
| <input type="radio"/>            | 1996 |  |
| <input type="radio"/>            | 2000 |  |
| <input checked="" type="radio"/> | 2003 |  |

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Genomics helps to understand \_\_\_\_\_ of genes.

Select the correct option

|                                  |           |  |
|----------------------------------|-----------|--|
| <input checked="" type="radio"/> | Functions |  |
| <input type="radio"/>            | Shape     |  |
| <input type="radio"/>            | Name      |  |
| <input type="radio"/>            | Design    |  |

Click to Save Answer & Move to Next Question

Question # 12 of 30 ( Start time: 02:42:23 AM, 28 December 2020 )

Total Marks: 1

Several genes are evolving faster in humans than \_\_\_\_\_

Select the correct option

- |                                  |             |
|----------------------------------|-------------|
| <input type="radio"/>            | Mouse       |
| <input checked="" type="radio"/> | Chimpanzees |
| <input type="radio"/>            | Cats        |
| <input type="radio"/>            | Zebra       |

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Question # 11 of 30 ( Start time: 02:41:43 AM, 28 December 2020 )

Total Marks: 1

Many genes are arranged in groups along a chromosome are called \_\_\_\_\_.

Select the correct option

|                                  |                          |  |
|----------------------------------|--------------------------|--|
| <input type="radio"/>            | Gene families            |  |
| <input checked="" type="radio"/> | Gene clusters            |  |
| <input type="radio"/>            | Globin genes             |  |
| <input type="radio"/>            | Single individuals Genes |  |

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## Question # 14 of 30 ( Start time: 02:43:22 AM, 28 December 2020 )

Total Marks: 1

Methylation arrays determine methylated DNA. Determining which regions of DNA are methylated ultimately help in the study of \_\_\_\_\_.

Select the correct option

|                                  |                    |  |
|----------------------------------|--------------------|--|
| <input type="radio"/>            | neuronal disorders |  |
| <input type="radio"/>            | intron function    |  |
| <input type="radio"/>            | protein function   |  |
| <input checked="" type="radio"/> | epigenetics        |  |

[Click to Save Answer & Move to Next Question](#)

Question # 13 of 30 ( Start time: 02:42:54 AM, 28 December 2020 )

Total Marks: 1

\_\_\_\_\_ vectors with a capacity of 300 kb and the ability to replicate in E. coli

Select the correct option

|                                  |         |
|----------------------------------|---------|
| <input type="radio"/>            | Cosmid  |
| <input type="radio"/>            | YAk     |
| <input checked="" type="radio"/> | BAC     |
| <input type="radio"/>            | Phasmid |

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Question # 16 of 30 ( Start time: 02:44:24 AM, 28 December 2020 )

Total Marks: 1

Nuclear genome of yeast consist of \_\_\_\_\_ number of chromosomes

Select the correct option

|                                  |    |  |
|----------------------------------|----|--|
| <input type="radio"/>            | 12 |  |
| <input type="radio"/>            | 14 |  |
| <input checked="" type="radio"/> | 16 |  |
| <input type="radio"/>            | 21 |  |

Click to Save Answer &amp; Move to Next Question

Question # 14 of 30 ( Start time: 10:50:13 PM, 28 December 2020 )

Total Marks: 1

Privacy and confidentiality of genetic information is a/an \_\_\_\_\_.

Select the correct option

|                       |                      |  |
|-----------------------|----------------------|--|
| <input type="radio"/> | Historical and Legal |  |
| <input type="radio"/> | Biological and Legal |  |
| <input type="radio"/> | Social and Legal     |  |
| <input type="radio"/> | Ethical and Legal    |  |

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Question # 3 of 30 ( Start time: 02:56:40 AM, 28 December 2020 )

Total Marks: 1

Ensembl is a joint project between these 3 organizations.

Select the correct option

|                                  |                 |   |
|----------------------------------|-----------------|---|
| <input checked="" type="radio"/> | EMBL, EBI, WTSI | / |
| <input type="radio"/>            | EMBL, EBI, FBI  | / |
| <input type="radio"/>            | EMBL, EBI, NCBI | / |
| <input type="radio"/>            | EMBL, EBI, CIA  |   |

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Question # 6 of 30 ( Start time: 02:59:06 AM, 28 December 2020 )

Total Marks: 1

miRNA originates from \_\_\_\_\_ that forms a hairpin secondary structure.

Select the correct option

|                                  |       |                                                                                                                                                                                                                                                                                                                                                |  |
|----------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <input checked="" type="radio"/> | ssRNA | <div>A GOOD EDUCATION IS A FOUNDATION FOR A BETTER FUTURE</div> <div>CORRECT ANSWER SOLVED BY TEAM HADI</div> <div>EMAIL: <a href="mailto:hadirajputofficial@gmail.com">hadirajputofficial@gmail.com</a></div> <div>WHATSAPP &amp; CALL: 03087122922 </div> |  |
| <input type="radio"/>            | dsRNA |                                                                                                                                                                                                                                                                                                                                                |  |
| <input type="radio"/>            | ssDNA |                                                                                                                                                                                                                                                                                                                                                |  |
| <input type="radio"/>            | dsDNA |                                                                                                                                                                                                                                                                                                                                                |  |

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Question # 5 of 50 ( Start time: 02:57:45 AM, 26 December 2020 )

Total Marks: 1

These are types of Microarrays except \_\_\_\_\_.

Select the correct option

|                                  |                                         |  |
|----------------------------------|-----------------------------------------|--|
| <input type="radio"/>            | DNA microarrays                         |  |
| <input checked="" type="radio"/> | Southern blotting                       |  |
| <input type="radio"/>            | Comperative Genomic Hybridization array |  |
| <input type="radio"/>            | Exon arrays                             |  |

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Question # 8 of 30 ( Start time: 02:59:54 AM, 28 December 2020 )

Total Marks:

Drosha and Dicer are \_\_\_\_ enzymes.

Select the correct option

|                                  |           |  |
|----------------------------------|-----------|--|
| <input checked="" type="radio"/> | RNase III |  |
| <input type="radio"/>            | RNase II  |  |
| <input type="radio"/>            | DNase III |  |
| <input type="radio"/>            | DNase II  |  |

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Question # 7 of 30 ( Start time: 02:59:41 AM, 28 December 2020 )

Total Marks: 1

The second step in Human Genome Project was \_\_\_\_\_.

Select the correct option

|                                  |                                |  |
|----------------------------------|--------------------------------|--|
| <input type="radio"/>            | Map Construction               |  |
| <input checked="" type="radio"/> | Clone selection                |  |
| <input type="radio"/>            | Sub-clone library construction |  |
| <input type="radio"/>            | Random shotgun phase           |  |

Click to Save Answer & Move to Next Question

## Question # 10 of 30 ( Start time: 03:00:34 AM, 28 December 2020 )

Total Marks: 1

The biggest advantage of microarrays is that they \_\_\_\_\_

Select the correct option

|                                  |                                                     |  |
|----------------------------------|-----------------------------------------------------|--|
| <input type="radio"/>            | Expensive                                           |  |
| <input type="radio"/>            | Cross-hybridization of sequences with high identity |  |
| <input checked="" type="radio"/> | Provides data for thousands of genes                |  |
| <input type="radio"/>            | Chip to chip variation                              |  |

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Question # 13 of 30 ( Start time: 03:02:20 AM, 28 December 2020 )

Total Marks: 1

E. Coli is a model organism for \_\_\_\_\_.

Select the correct option

|                                  |                     |  |
|----------------------------------|---------------------|--|
| <input type="radio"/>            | Genome sequencing   |  |
| <input checked="" type="radio"/> | Genome informatics  |  |
| <input type="radio"/>            | Gene identification |  |
| <input type="radio"/>            | Gene clustering     |  |

Click to Save Answer & Move to Next Question

Question # 16 of 30 ( Start time: 03:04:15 AM, 28 December 2020 )

Total Marks: 1

In Cartridge-Based Microarray Chips \_\_\_\_\_ strategy is used.

Select the correct option

|                                  |                           |                                                                                                                                                                                                             |
|----------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="radio"/> | One sample = one chip     | <b>A GOOD EDUCATION IS A FOUNDATION FOR A BETTER FUTURE.</b><br><b>CORRECT ANSWER SOLVED BY TEAM HADI</b><br><b>EMAIL: hadirajputofficial@gmail.com</b><br><b>WHATSAPP &amp; CALL:03087122922</b> محمد ہادی |
| <input type="radio"/>            | Many samples = one chip   |                                                                                                                                                                                                             |
| <input type="radio"/>            | Many samples = many chips |                                                                                                                                                                                                             |
| <input type="radio"/>            | One sample = many chips   |                                                                                                                                                                                                             |

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Question # 15 of 30 ( Start time: 03:03:34 AM, 28 December 2020 )

Total Marks: 1

\_\_\_\_\_ types of RNA polymerases are present in prokaryotes and \_\_\_\_\_ types of RNA polymerases in eukaryotes.

Select the correct option

|                                  |      |                                                                                                                                                                                                                                                                                                                                               |  |
|----------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <input checked="" type="radio"/> | 1, 3 | <div>A GOOD EDUCATION IS A FOUNDATION FOR A BETTER FUTURE.</div> <div>CORRECT ANSWER SOLVED BY TEAM HADI</div> <div>EMAIL: <a href="mailto:hadirajputofficial@gmail.com">hadirajputofficial@gmail.com</a></div> <div>WHATSAPP &amp; CALL: 03087122922 </div> |  |
| <input type="radio"/>            | 1, 4 |                                                                                                                                                                                                                                                                                                                                               |  |
| <input type="radio"/>            | 3, 1 |                                                                                                                                                                                                                                                                                                                                               |  |
| <input type="radio"/>            | 5, 1 |                                                                                                                                                                                                                                                                                                                                               |  |

Click to Save Answer & Move to Next Question

Question # 18 of 30 ( Start time: 03:04:44 AM, 28 December 2020 )

Total Marks: 1

Each tRNA possesses a/an \_\_\_\_\_

Select the correct option

|                                  |           |  |
|----------------------------------|-----------|--|
| <input checked="" type="radio"/> | Anticodon |  |
| <input type="radio"/>            | Codon     |  |
| <input type="radio"/>            | Code      |  |
| <input type="radio"/>            | Ribosome  |  |

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Question # 17 of 30 ( Start time: 03:04:31 AM, 28 December 2020 )

Total Marks: 1

In radiation mapping, exposure to \_\_\_\_\_ breaks the DNA in human cells.

Select the correct option

|                                  |                  |
|----------------------------------|------------------|
| <input checked="" type="radio"/> | X rays           |
| <input type="radio"/>            | Ultraviolet rays |
| <input type="radio"/>            | Ultrasonic waves |
| <input type="radio"/>            | Infrared rays    |

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Question # 20 of 30 ( Start time: 03:06:38 AM, 28 December 2020 )

Total Marks: 1

the size of mitochondrial genome in animal is \_\_\_\_\_

Select the correct option

|                                  |          |  |
|----------------------------------|----------|--|
| <input type="radio"/>            | 10-16 Kb |  |
| <input type="radio"/>            | 11-16 Kb |  |
| <input type="radio"/>            | 13-16 Kb |  |
| <input checked="" type="radio"/> | 15-16 Kb |  |

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Question # 19 of 30 ( Start time: 03:05:53 AM, 28 December 2020 )

Total Marks: 1

Approximately 40% of the human genome is same to the \_\_\_\_\_ genome.

Select the correct option

|                                  |            |   |
|----------------------------------|------------|---|
| <input checked="" type="radio"/> | mouse      | / |
| <input type="radio"/>            | drasophila | / |
| <input type="radio"/>            | dog        | / |
| <input type="radio"/>            | cow        | / |

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Question # 26 of 30 ( Start time: 03:11:18 AM, 28 December 2020 )

Total Marks: 1

DNA microarray has many applications. All of the following are applications of the technique EXCEPT:

Select the correct option

|                                  |                                      |   |
|----------------------------------|--------------------------------------|---|
| <input type="radio"/>            | Assessment of gene expression levels | / |
| <input checked="" type="radio"/> | Analysis of protein function         | / |
| <input type="radio"/>            | Evaluation of micro RNA levels       | / |
| <input type="radio"/>            | Discovery of new genes               | / |

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Question # 25 of 30 ( Start time: 03:10:22 AM, 28 December 2020 )

Total Marks: 1

In Metagenomics we study the \_\_\_\_\_ pathways.

Select the correct option

|                                  |            |  |
|----------------------------------|------------|--|
| <input checked="" type="radio"/> | Metabolic  |  |
| <input type="radio"/>            | Anabolic   |  |
| <input type="radio"/>            | Structural |  |
| <input type="radio"/>            | DNA        |  |

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Question # 28 of 30 ( Start time: 03:14:05 AM, 28 December 2020 )

Total Marks: 1

According to endosymbiont hypothesis mitochondria and chloroplast are derived from endosymbiotic \_\_\_\_\_.

Select the correct option

|                                  |          |  |
|----------------------------------|----------|--|
| <input checked="" type="radio"/> | Bacteria |  |
| <input type="radio"/>            | Viruses  |  |
| <input type="radio"/>            | Animals  |  |
| <input type="radio"/>            | Plants   |  |

[Click to Save Answer & Move to Next Question](#)

Question # 27 of 30 ( Start time: 03:12:20 AM, 28 December 2020 )

Total Marks: 1

Which of the following statements about Microarray formats is INCORRECT?

Select the correct option

|                                  |                                                                                  |   |
|----------------------------------|----------------------------------------------------------------------------------|---|
| <input type="radio"/>            | Cartridge-based chips are generally used with expression and DNA arrays          | / |
| <input checked="" type="radio"/> | The spotted DNA arrays make use of mRNA and antigens                             | / |
| <input type="radio"/>            | Cartridge-based expression arrays involve fluorescently tagged biotinylated cRNA | / |
| <input type="radio"/>            | Spotted DNA arrays involve the use of two dyes, Cy5 and Cy3 on the same slide    | / |

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Question # 30 of 30 ( Start time: 03:15:30 AM, 28 December 2020 )

Total Marks: 1

There are 2 types of DNA Chips/Microarrays of which one is \_\_\_\_\_.

Select the correct option

|                                  |                                                |                                                                                                                                                                                                                                                                             |  |
|----------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <input checked="" type="radio"/> | cDNA based microarray                          | <div>A GOOD EDUCATION IS A FOUNDATION FOR A BETTER FUTURE.</div> <div>CORRECT ANSWER SOLVED BY TEAM HADI</div> <div>EMAIL: <a href="mailto:hadirajputofficial@gmail.com">hadirajputofficial@gmail.com</a></div> <div>WHATSAPP &amp; CALL: 03087122922</div> <div>ہادی</div> |  |
| <input type="radio"/>            | Discovery of drugs microarray                  |                                                                                                                                                                                                                                                                             |  |
| <input type="radio"/>            | Diagnostics and genetic engineering microarray |                                                                                                                                                                                                                                                                             |  |
| <input type="radio"/>            | Alternative splicing detection microarray      |                                                                                                                                                                                                                                                                             |  |

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Question # 29 of 30 ( Start time: 03:14:43 AM, 26 December 2020 )

Total Marks: 1

In Fluorescence in situ hybridization less condensed chromosomes may be resolved in the \_\_\_\_\_ range.

Select the correct option

|                                  |                   |  |
|----------------------------------|-------------------|--|
| <input checked="" type="radio"/> | 5-700 kb          |  |
| <input type="radio"/>            | 10-100 kb         |  |
| <input type="radio"/>            | 500-1000 kb       |  |
| <input type="radio"/>            | More than 1000 kb |  |

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## Question # 2 of 30 ( Start time: 02:11:57 AM, 28 December 2020 )

Total Marks: 1

In microarray scanner if the color is \_\_\_\_ it means both samples hybridized equally to the target DNA.

Select the correct option

|                                  |        |  |
|----------------------------------|--------|--|
| <input checked="" type="radio"/> | yellow |  |
| <input type="radio"/>            | red    |  |
| <input type="radio"/>            | green  |  |
| <input type="radio"/>            | black  |  |

[Click to Save Answer & Move to Next Question](#)

Question # 5 of 30 ( Start time: 02:13:52 AM, 28 December 2020 )

Total Marks: 1

Different types of DNA repeats act as \_\_\_\_\_ to detect genetic variation.

Select the correct option

|                                  |                       |                                                                                                                                                                                                                                                                                                                                          |  |
|----------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <input checked="" type="radio"/> | Markers               | <b>A GOOD EDUCATION IS A FOUNDATION FOR A BETTER FUTURE.</b><br><b>CORRECT ANSWER SOLVED BY TEAM HADI</b><br><b>EMAIL: <a href="mailto:hadirajputofficial@gmail.com">hadirajputofficial@gmail.com</a></b><br><b>WHATSAPP &amp; CALL: 03087122922</b>  |  |
| <input type="radio"/>            | Mini Satellite        |                                                                                                                                                                                                                                                                                                                                          |  |
| <input type="radio"/>            | Transposable Elements |                                                                                                                                                                                                                                                                                                                                          |  |
| <input type="radio"/>            | Micro Satellite       |                                                                                                                                                                                                                                                                                                                                          |  |

Click to Save Answer & Move to Next Question

Question # 8 of 30 ( Start time: 02:15:46 AM, 28 December 2020 )

Total Marks: 1

In radiation mapping, exposure to \_\_\_\_\_ breaks the DNA in human cells.

Select the correct option

|                                  |                  |   |
|----------------------------------|------------------|---|
| <input checked="" type="radio"/> | X rays           | / |
| <input type="radio"/>            | Ultraviolet rays | / |
| <input type="radio"/>            | Ultrasonic waves | / |
| <input type="radio"/>            | Infrared rays    | / |

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Question # 7 of 30 ( Start time: 02:15:21 AM, 28 December 2020 )

Total Marks: 1

\_\_\_\_\_ is based on the direct analysis of DNA.

Select the correct option

|                                  |                       |  |
|----------------------------------|-----------------------|--|
| <input checked="" type="radio"/> | Physical mapping      |  |
| <input type="radio"/>            | Electrical mapping    |  |
| <input type="radio"/>            | FISH                  |  |
| <input type="radio"/>            | Hybridization mapping |  |

Click to Save Answer & Move to Next Question

Question # 10 of 30 ( Start time: 02:17:12 AM, 28 December 2020 )

Total Marks:

We can predict disease-susceptibility based on gene sequence \_\_\_\_\_.

Select the correct option

☒ Variation☐ Distribution☐ Alignment☐ Duplication

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Question # 9 of 30 ( Start time: 02:16:11 AM, 28 December 2020 )

Total Marks: 1

Functional Genomics relies on all of these except \_\_\_\_\_.

Select the correct option

|                                  |                   |  |
|----------------------------------|-------------------|--|
| <input type="radio"/>            | Molecular Biology |  |
| <input type="radio"/>            | Biochemistry      |  |
| <input type="radio"/>            | Genetics          |  |
| <input checked="" type="radio"/> | Biotechnology     |  |

Click to Save Answer & Move to Next Question

## Question # 12 of 30 ( Start time: 02:18:53 AM, 28 December 2020 )

Total Marks: 1

Fluorescence in situ hybridization (FISH) is a type of mapping that uses fluorescent \_\_\_\_\_.

Select the correct option

|                                  |         |                                                                                                                                                                                                                                                                                        |  |
|----------------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <input checked="" type="radio"/> | Probes  | <div>A GOOD EDUCATION IS A FOUNDATION FOR A BETTER FUTURE.</div> <div><b>CORRECT ANSWER SOLVED BY TEAM HADI</b></div> <div>EMAIL: <a href="mailto:hadirajputofficial@gmail.com">hadirajputofficial@gmail.com</a></div> <div>WHATSAPP &amp; CALL: 03087122922</div> <div>ہادی ٹیم</div> |  |
| <input type="radio"/>            | Primers |                                                                                                                                                                                                                                                                                        |  |
| <input type="radio"/>            | Enzymes |                                                                                                                                                                                                                                                                                        |  |
| <input type="radio"/>            | dNTPs   |                                                                                                                                                                                                                                                                                        |  |

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Question # 11 of 30 ( Start time: 02:18:30 AM, 28 December 2020 )

Total Marks: 1

Highly \_\_\_\_ genes have changed very little over the time.

Select the correct option

|                                  |            |   |
|----------------------------------|------------|---|
| <input checked="" type="radio"/> | Conserved  | / |
| <input type="radio"/>            | Similar    | / |
| <input type="radio"/>            | Variable   | / |
| <input type="radio"/>            | Dissimilar | / |

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Question # 18 of 30 ( Start time: 02:23:18 AM, 28 December 2020 )

Total Marks: 1

Human genome sequencing by the mapping approach used \_\_\_\_\_

Select the correct option

|                                  |          |
|----------------------------------|----------|
| <input checked="" type="radio"/> | BACs     |
| <input type="radio"/>            | YAKs     |
| <input type="radio"/>            | Plasmids |
| <input type="radio"/>            | Cosmids  |

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Question # 17 of 30 ( Start time: 02:22:56 AM, 28 December 2020 )

Total Marks: 1

Fungi have about \_\_\_\_\_ genes.

Select the correct option

|                                  |      |  |
|----------------------------------|------|--|
| <input checked="" type="radio"/> | 5000 |  |
| <input type="radio"/>            | 1000 |  |
| <input type="radio"/>            | 500  |  |
| <input type="radio"/>            | 100  |  |

Click to Save Answer & Move to Next Question

Question # 20 of 30 ( Start time: 02:24:42 AM, 28 December 2020 )

Total Marks: 1

All ssRNA viruses produce \_\_\_\_\_ molecules.

Select the correct option

|                                  |       |                                                                                                                                                                                                                                                                                      |
|----------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="radio"/> | dsRNA | <b>A GOOD EDUCATION IS A FOUNDATION FOR A BETTER FUTURE.</b><br><b>CORRECT ANSWER SOLVED BY TEAM HADI</b><br><b>EMAIL: hadirajputofficial@gmail.com</b><br><b>WHATSAPP &amp; CALL: 03087122922</b>  |
| <input type="radio"/>            | dsDNA |                                                                                                                                                                                                                                                                                      |
| <input type="radio"/>            | ssRNA |                                                                                                                                                                                                                                                                                      |
| <input type="radio"/>            | ssDNA |                                                                                                                                                                                                                                                                                      |

[Click to Save Answer & Move to Next Question](#)

Question # 19 of 30 ( Start time: 02:23:50 AM, 28 December 2020 )

Total Marks: 1

Using the chromosomal map for BAC clones, the BAC insert sequences are put to yield the complete \_\_\_\_\_ sequence.

Select the correct option

|                                  |            |
|----------------------------------|------------|
| <input checked="" type="radio"/> | Chromosome |
| <input type="radio"/>            | DNA        |
| <input type="radio"/>            | RNA        |
| <input type="radio"/>            | Gene       |

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Question # 22 of 30 ( Start time: 02:26:00 AM, 28 December 2020 )

Total Marks: 1

Related genes may be organized as several clusters at different \_\_\_\_\_.

Select the correct option

|                                  |              |                                                                                                                                                                                                                                                                       |  |
|----------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <input checked="" type="radio"/> | Locations    | <div>A GOOD EDUCATION IS A FOUNDATION FOR A BETTER FUTURE.</div> <div>CORRECT ANSWER SOLVED BY TEAM HADI</div> <div>EMAIL: <a href="mailto:hadirajputofficial@gmail.com">hadirajputofficial@gmail.com</a></div> <div>WHATSAPP &amp; CALL: 03087122922 محمد ہادی</div> |  |
| <input type="radio"/>            | Genes        |                                                                                                                                                                                                                                                                       |  |
| <input type="radio"/>            | Cells        |                                                                                                                                                                                                                                                                       |  |
| <input type="radio"/>            | Arrangements |                                                                                                                                                                                                                                                                       |  |

Click to Save Answer &amp; Move to Next Question

Question # 21 of 30 ( Start time: 02:25:16 AM, 28 December 2020 )

Total Marks: 1

Number of gene in fungi is about \_\_\_\_\_

Select the correct option

|                                  |      |  |
|----------------------------------|------|--|
| <input checked="" type="radio"/> | 5000 |  |
| <input type="radio"/>            | 2000 |  |
| <input type="radio"/>            | 3000 |  |
| <input type="radio"/>            | 4500 |  |

Click to Save Answer & Move to Next Question

## Question # 24 of 30 ( Start time: 02:26:53 AM, 28 December 2020 )

Total Marks: 1

In microarray Gene expression profiling can be monitored for thousands of \_\_\_\_ simultaneously.

Select the correct option

|                                  |         |                                                                                                                                                                                                                                                                       |  |
|----------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <input checked="" type="radio"/> | genes   | <div>A GOOD EDUCATION IS A FOUNDATION FOR A BETTER FUTURE.</div> <div>CORRECT ANSWER SOLVED BY TEAM HADI</div> <div>EMAIL: <a href="mailto:hadirajputofficial@gmail.com">hadirajputofficial@gmail.com</a></div> <div>WHATSAPP &amp; CALL: 03087122922 محمد ہادی</div> |  |
| <input type="radio"/>            | RNA     |                                                                                                                                                                                                                                                                       |  |
| <input type="radio"/>            | genomes |                                                                                                                                                                                                                                                                       |  |
| <input type="radio"/>            | Viruses |                                                                                                                                                                                                                                                                       |  |

[Click to Save Answer & Move to Next Question](#)

Question # 27 of 30 ( Start time: 02:28:52 AM, 28 December 2020 )

Total Marks: 1

Eukaryotes and prokaryotes genomes are \_\_\_\_\_.

Select the correct option

|                                  |                         |  |
|----------------------------------|-------------------------|--|
| <input type="radio"/>            | Same                    |  |
| <input type="radio"/>            | Different slightly      |  |
| <input checked="" type="radio"/> | Significantly different |  |
| <input type="radio"/>            | Significantly same      |  |

Click to Save Answer & Move to Next Question

Question # 30 of 30 ( Start time: 02:31:21 AM, 28 December 2020 )

Total Marks: 1

Cartridge-Based Expression Microarrays involves \_\_\_\_\_

Select the correct option

- |                                  |                                                                     |  |
|----------------------------------|---------------------------------------------------------------------|--|
| <input type="radio"/>            | Fluorescently tagged biotinylated cRNA                              |  |
| <input type="radio"/>            | High density arrays of DNA oligos within a plastic housing          |  |
| <input checked="" type="radio"/> | One sample = One chip (Affymetrix, Agilent, Applied Biosystems etc) |  |
| <input type="radio"/>            | used with expression and DNA arrays                                 |  |

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