

Shaheen study
group .

Bio203

03460004097
Quiz No.3

13/8/21

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03460004097
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Bio203 quizz

topic 46-58



خدا کرے میری ارض پاک پر اترے
وہ فصلِ گل جسے اندیشہ و زوال نہ ہو

یہاں جو پھول گلے وہ کھلا رہے برسوں
یہاں خزاں کو گزرنے کی بھی مجال نہ ہو



Question # 1 of 10 (Start time: 02:40:28 PM, 13 August 2021)

Total Marks: 1

----- is just a semi-quantitative at best. Only an approx. estimation & not a precise measurement of molecular weight of the protein is possible

Select the correct option

- | | |
|----------------------------------|-------------------|
| <input type="radio"/> | Northern blotting |
| <input type="radio"/> | Eastern blotting |
| <input checked="" type="radio"/> | Western blotting |
| <input type="radio"/> | Southern blotting |

Click to Save Answer & Move to Next Question

Question # 2 of 10 (Start time: 02:41:18 PM, 13 August 2021)

Total Marks: 1

The binding between single stranded labeled probe to a complementary nucleotide sequence on the target DNA is called as-----.

Select the correct option

<input checked="" type="radio"/>	Hybridization
<input type="radio"/>	Restriction digestion
<input type="radio"/>	Amplification
<input type="radio"/>	Electrophoresis

Click to Save Answer & Move to Next Question

Question # 3 of 10 (Start time: 02:42:15 PM, 13 August 2021)

Total Marks: 1

During northern blot, separation of RNA according to size through a ----- gel.

Select the correct option

<input type="radio"/>	None
<input checked="" type="radio"/>	Agarose
<input type="radio"/>	SDS-PAGE
<input type="radio"/>	Denaturing

Click to Save Answer & Move to Next Question

Western blotting technique is used to

Select the correct option

☐

Detect the presence of a specific protein

☒

All of above

☐

Measure relative amounts (quantitation) of the protein

☐

Determine the molecular weight of a protein

Click to Save Answer & Move to Next Question

Question # 5 of 10 (Start time: 02:44:37 PM, 13 August 2021)

Total Marks: 1

Which is true for Non-Radioactive Probe – biotin

Select the correct option

- | | |
|----------------------------------|---|
| <input type="radio"/> | Hazardous |
| <input type="radio"/> | Radioactive waste disposal regulations should be followed |
| <input type="radio"/> | Relatively cheap |
| <input checked="" type="radio"/> | Sensitive |



Click to Save Answer & Move to Next Question

The presence of a mutation affecting a restriction site causes the pattern of bands to -----from those seen in a normal gene.

Select the correct option

<input type="radio"/>	Same
<input type="radio"/>	Not affected
<input checked="" type="radio"/>	Differ
<input type="radio"/>	All

Click to Save Answer & Move to Next Question

Question # 6 of 10 (Start time: 02:46:01 PM, 13 August 2021)

Total Marks: 1

Which is not an application of northern blot

Select the correct option

☐

To Study of gene expression in eukaryotic cells.

☐

To measure the amount & size of RNAs transcribed from eukaryotic genes.

☒

To make a multiple copies of RNA

☐

To estimate the abundance of RNAs

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

-----antibody availability is a crucial step in Western blotting.

Select the correct option



Tertiary



Primary



Secondary



None of above

Click to Save Answer & Move to Next Question



BC200203817: REHANA ABID

Time Left 86 sec(s)

BIO203:Quiz 2

Quiz Start Time: 04:27 PM, 13 August 2021

Question # 10 of 10 (Start time: 04:29:21 PM, 13 August 2021)

Total Marks: 1

Which is true for Non-Radioactive Probe – biotin

Select the correct option

- ☐ Relatively cheap
- ☒ Sensitive
- ☐ Radioactive waste disposal regulations should be followed
- ☐ Hazardous

Click to Save Answer & Move to Next Question

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_____ is sometimes called as protein blotting or immunoblotting

Select the correct option



Eastern blotting



Northern blotting



Western blotting



Southern blotting

Click to Save Answer & Move to Next Question

Question # 9 of 10 (Start time: 02:48:38 PM, 13 August 2021)

Total Marks: 1

The process of detection of the bands complementary to the probe, during Southern blotting is called -----

Select the correct option

<input type="radio"/>	Biography
<input checked="" type="radio"/>	Autoradiography
<input type="radio"/>	None
<input type="radio"/>	Autography

Click to Save Answer & Move to Next Question



BC200203817: REHANA ABID

Time Left 72 sec(s)

BIO203:Quiz 2

Quiz Start Time: 04:27 PM, 13 August 2021

Question # 6 of 10 (Start time: 04:27:27 PM, 13 August 2021)

Total Marks: 1

The ----- blotting technique is also employed in
The Gene Expression Studies

Select the correct option

- ☒ Western
- ☐ Eastern
- ☐ Southern
- ☐ Northern

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Click to Save Answer & Move to Next Question





Quiz

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BC200203817: REHANA ABID

Time Left 88 sec(s)

BIO203:Quiz 2

Quiz Start Time: 04:27 PM, 13 August 2021

Question # 7 of 10 (Start time: 04:27:55 PM, 13 August 2021)

Total Marks: 1

During northern blot, separation of RNA according to size through a ----- gel.

Select the correct option

- ☒ Agarose
- ☐ Denaturing
- ☐ SDS-PAGE
- ☐ None

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Click to Save Answer & Move to Next Question





BC200203817: REHANA ABID

Time Left 89 sec(s)

BIO203:Quiz 2

Quiz Start Time: 04:27 PM, 13 August 2021

Question # 9 of 10 (Start time: 04:29:17 PM, 13 August 2021)

Total Marks: 1

Wet transfer, during western blotting is recommended for large proteins of size-----

Select the correct option

- ☐ >10 kD
- ☐ None
- ☐ >50 kD
- ☒ >100 kD

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Click to Save Answer & Move to Next Question



BC200203817: REHANA ABID

Time Left 88 sec(s)

BIO203:Quiz 2

Quiz Start Time: 04:27 PM, 13 August 2021

Question # 3 of 10 (Start time: 04:27:10 PM, 13 August 2021)

Total Marks: 1

Which is not an application of northern blot

Select the correct option

- ☐ To Study of gene expression in eukaryotic cells.
- ☐ To estimate the abundance of RNAs
- ☒ To make a multiple copies of RNA
- ☐ To measure the amount & size of RNAs transcribed from eukaryotic genes.

Click to Save Answer & Move to Next Question

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BC200203817: REHANA ABID

Time Left 85 sec(s)

BIO203:Quiz 2

Quiz Start Time: 04:27 PM, 13 August 2021

Question # 4 of 10 (Start time: 04:27:15 PM, 13 August 2021)

Total Marks: 1

During western blotting, transfer can be done in

Select the correct option

- ☐ Dry or semi-dry conditions
- ☒ Wet or semi-dry conditions
- ☐ Semi wet or semi-dry conditions
- ☐ Dry or semi-wet conditions

Click to Save Answer & Move to Next Question

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BC200203817: REHANA ABID

Time Left 88 sec(s)

BIO203:Quiz 2

Quiz Start Time: 04:27 PM, 13 August 2021

Question # 5 of 10 (Start time: 04:27:23 PM, 13 August 2021)

Total Marks: 1

Western blotting technique is a widely used analytical technique in the fields of -----

Select the correct option

- | | |
|----------------------------------|-------------------|
| <input type="radio"/> | Molecular biology |
| <input checked="" type="radio"/> | All |
| <input type="radio"/> | Biochemistry |
| <input type="radio"/> | Immunogenetics |

Click to Save Answer & Move to Next Question

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BC200203418: MEHWISH RAMZAN

Time Left 83 sec(s)

BIO203:Quiz 2

Quiz Start Time: 04:20 PM, 13 August 2021

Question # 9 of 10 (Start time: 04:24:01 PM, 13 August 2021)

Total Marks: 1

-----is a very important step in the immunodetection phase of Western blotting because it prevents non-specific binding of antibody to the blotting membrane.

Select the correct option

- ☐ Gel Electrophoresis
- ☐ Antibody probing
- ☒ Blocking
- ☐ Blotting or transfer

Click to Save Answer & Move to Next Question

03460004097



BC200203817: REHANA ABID

Time Left 88 sec(s)

BIO203:Quiz 2

Quiz Start Time: 04:27 PM, 13 August 2021

Question # 1 of 10 (Start time: 04:27:00 PM, 13 August 2021)

Total Marks: 1

Protein of interest is detected and localized using a specific antibody. In first step, Western blotting protocol utilize a -----directed against the target protein.

Select the correct option

- ☒ Non-labeled primary antibody
- ☐ Non-labeled secondary antibody
- ☐ Labeled secondary antibody
- ☐ Labeled primary antibody

Click to Save Answer & Move to Next Question

03460004097



BC200203817: REHANA ABID

Time Left 88 sec(s)

BIO203:Quiz 2

Quiz Start Time: 04:27 PM, 13 August 2021

Question # 2 of 10 (Start time: 04:27:05 PM, 13 August 2021)

Total Marks: 1

Western blotting technique is also used to detect

Select the correct option

- ☐ Lyme Disease
- ☐ Hepatitis-B
- ☒ All
- ☐ Mad cow disease

Click to Save Answer & Move to Next Question

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BC200203418: MEHWISH RAMZAN

Time Left 87 sec(s)

BIO203:Quiz 2

Quiz Start Time: 04:20 PM, 13 August 2021

Question # 6 of 10 (Start time: 04:22:11 PM, 13 August 2021)

Total Marks: 1

Labeled material to detect complementary region in the gene or DNA is called as.

Select the correct option

- | | |
|----------------------------------|-----------------|
| <input type="radio"/> | Biotin |
| <input type="radio"/> | Blocking agents |
| <input type="radio"/> | DNTPs |
| <input checked="" type="radio"/> | Probe |

Click to Save Answer & Move to Next Question

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BC200203418: MEHWISH RAMZAN

Time Left 56 sec(s)

BIO203:Quiz 2

Quiz Start Time: 04:20 PM, 13 August 2021

Question # 7 of 10 (Start time: 04:22:26 PM, 13 August 2021)

Total Marks: 1

Protein of interest is detected and localized using a specific antibody. In first step, Western blotting protocol utilize a -----
-----directed against the target protein.

Select the correct option

- ☒ Non-labeled primary antibody
- ☐ Labeled primary antibody
- ☐ Non-labeled secondary antibody
- ☐ Labeled secondary antibody

Click to Save Answer & Move to Next Question

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BC200203418: MEHWISH RAMZAN

Time Left 71 sec(s)

BIO203:Quiz 2

Quiz Start Time: 04:20 PM, 13 August 2021

Question # 8 of 10 (Start time: 04:23:24 PM, 13 August 2021)

Total Marks: 1

----- is sometimes called as protein blotting or immunoblotting

Select the correct option

- ☐ Southern blotting
- ☐ Northern blotting
- ☐ Eastern blotting
- ☒ Western blotting

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Click to Save Answer & Move to Next Question





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BC200203418: MEHWISH RAMZAN

Time Left 87 sec(s)

BIO203:Quiz 2

Quiz Start Time: 04:20 PM, 13 August 2021

Question # 3 of 10 (Start time: 04:21:25 PM, 13 August 2021)

Total Marks: 1

- -----antibody availability is a crucial step in Western blotting.

Select the correct option

- ☒ Primary
- ☐ Tertiary
- ☐ Secondary
- ☐ None of above

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Click to Save Answer & Move to Next Question





BC200203418: MEHWISH RAMZAN

Time Left 88 sec(s)

BIO203:Quiz 2

Quiz Start Time: 04:20 PM, 13 August 2021

Question # 4 of 10 (Start time: 04:21:40 PM, 13 August 2021)

Total Marks: 1

Which is not a property of probe.

Select the correct option

- ☐ Detect a target
- ☒ 20Kb-30Kb nucleotides
- ☐ Complementary to a region
- ☐ Labeled material

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Click to Save Answer & Move to Next Question





BC200203418: MEHWISH RAMZAN

Time Left 88 sec(s)

BIO203:Quiz 2

Quiz Start Time: 04:20 PM, 13 August 2021

Question # 5 of 10 (Start time: 04:21:56 PM, 13 August 2021)

Total Marks: 1

The most common antibody label used in Western blots is --

Select the correct option



Biotin



Alexa Fluor



HRP



None

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Click to Save Answer & Move to Next Question



BC200204542: NISHA KANWAL

Time Left 85 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:37 PM, 13 August 2021

Question # 10 of 10 (Start time: 03:38:03 PM, 13 August 2021)

Total Marks: 1

----- is sometimes called as protein blotting or immunoblotting

Select the correct option

- ☒ Western blotting
- ☐ Southern blotting
- ☐ Eastern blotting
- ☐ Northern blotting

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Click to Save Answer & Move to Next Question





BC200203418: MEHWISH RAMZAN

Time Left 82 sec(s)

BIO203:Quiz 2

Quiz Start Time: 04:20 PM, 13 August 2021

Question # 1 of 10 (Start time: 04:20:37 PM, 13 August 2021)

Total Marks: 1

Which is not an application of northern blot

Select the correct option

- ☐ To Study of gene expression in eukaryotic cells.
- ☒ To make a multiple copies of RNA
- ☐ To estimate the abundance of RNAs
- ☐ To measure the amount & size of RNAs transcribed from eukaryotic genes.

Click to Save Answer & Move to Next Question

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BC200203418: MEHWISH RAMZAN

Time Left 88 sec(s)

BIO203:Quiz 2

Quiz Start Time: 04:20 PM, 13 August 2021

Question # 2 of 10 (Start time: 04:21:09 PM, 13 August 2021)

Total Marks: 1

-----are the transfer methods of DNA to membrane during southern blotting

Select the correct option

- ☐ Simultaneous transfer to two membranes
- ☒ All
- ☐ Vacuum transfer
- ☐ Electrophoretic transfer

Click to Save Answer & Move to Next Question

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BC200204542: NISHA KANWAL

Time Left 84 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:37 PM, 13 August 2021

Question # 7 of 10 (Start time: 03:37:40 PM, 13 August 2021)

Total Marks: 1

For the detection and characterization of viral proteins, monoclonal and polyclonal antibody-----technique is used.

Select the correct option

- ☐ Northern blotting
- ☒ Western blotting
- ☐ Eastern blotting
- ☐ Southern blotting

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Click to Save Answer & Move to Next Question



BC200204542: NISHA KANWAL

Time Left 86 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:37 PM, 13 August 2021

Question # 8 of 10 (Start time: 03:37:49 PM, 13 August 2021)

Total Marks: 1

The ----- blotting technique is also employed in
The Gene Expression Studies

Select the correct option

- ☐ Eastern
- ☒ Western
- ☐ Southern
- ☐ Northern

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Click to Save Answer & Move to Next Question



10203:Quiz 2

Quiz Start Time: 03:37 PM, 13 August 2021

Question # 9 of 10 (Start time: 03:37:57 PM, 13 August 2021)

Total Marks:

DNA Mutations can be identified by -----

Select the correct option



Eastern blotting



Western blotting



Northern blotting



Southern blotting

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Click to Save Answer & Move to Next Question



BC200204542: NISHA KANWAL

Time Left 88 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:37 PM, 13 August 2021

Question # 4 of 10 (Start time: 03:37:17 PM, 13 August 2021)

Total Marks: 1

Labeled material to detect complementary region in the gene or DNA is called as.

Select the correct option

- ☒ Probe
- ☐ Blocking agents
- ☐ Biotin
- ☐ DNTPs

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Click to Save Answer & Move to Next Question





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2129 messages from 57 chats

-----antibody availability is a crucial step in Western blotting.

Select the correct option

- | | |
|----------------------------------|---------------|
| <input type="radio"/> | None of above |
| <input type="radio"/> | Tertiary |
| <input checked="" type="radio"/> | Primary |
| <input type="radio"/> | Secondary |

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Click to Save Answer & Move to Next Question





45.5 K/s

74



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BC200204542: NISHA KANWAL

Time Left

87

sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:37 PM, 13 August 2021

Question # 6 of 10 (Start time: 03:37:33 PM, 13 August 2021)

Total Marks: 1

Northern blot is used in many ways while studying RNA, for example

Select the correct option

- ☐ To measure the amount & size of RNAs transcribed from eukaryotic genes
- ☒ All of above
- ☐ To estimate the abundance of RNAs
- ☐ Study of gene expression in eukaryotic cells

Click to Save Answer & Move to Next Question





BC200204542: NISHA KANWAL

Time Left 87 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:37 PM, 13 August 2021

Question # 1 of 10 (Start time: 03:37:01 PM, 13 August 2021)

Total Marks:

During western blotting the choice of extraction method depends primarily on the -----

Select the correct option

- | | |
|----------------------------------|---|
| <input type="radio"/> | Sample |
| <input type="radio"/> | Whether the analysis is targeting only a subcellular fraction |
| <input type="radio"/> | Whether the analysis is targeting all the proteins |
| <input checked="" type="radio"/> | All |

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Click to Save Answer & Move to Next Question



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BC200204542: NISHA KANWAL

Time Left 87 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:37 PM, 13 August 2021

Question # 2 of 10 (Start time: 03:37:07 PM, 13 August 2021)

Total Marks: 1

Which is not a property of probe.

Select the correct option

- ☐ Complementary to a region
- ☐ Labeled material
- ☐ Detect a target
- ☒ 20Kb-30Kb nucleotides

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

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BC200204542: NISHA KANWAL

Time Left 89 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:37 PM, 13 August 2021

Question # 3 of 10 (Start time: 03:37:12 PM, 13 August 2021)

Total Marks: 1

Western blotting technique is used to

Select the correct option

- ☒ All of above
- ☐ Detect the presence of a specific protein
- ☐ Measure relative amounts (quantitation) of the protein
- ☐ Determine the molecular weight of a protein

Click to Save Answer & Move to Next Question

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BC200203037: ZUNEERA YOUNAS

Time Left 79 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:33 PM, 13 August 2021

Question # 8 of 10 (Start time: 03:34:13 PM, 13 August 2021)

Total Marks: 1

DNA Mutations can be identified by -----

Select the correct option

- ☐ Eastern blotting
- ☐ Northern blotting
- ☒ Western blotting
- ☐ Southern blotting

Click to Save Answer & Move to Next Question

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BC200203037: ZUNEERA YOUNAS

Time Left 88 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:33 PM, 13 August 2021

Question # 9 of 10 (Start time: 03:34:27 PM, 13 August 2021)

Total Marks:

Western blotting test is used in the analysis of Biomarkers such as-----

Select the correct option



Cytokines



Growth factors



All



Hormones

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Click to Save Answer & Move to Next Question



0203:Quiz 2

Quiz Start Time: 03:33 PM, 13 August 2021

Question # 10 of 10 (Start time: 03:34:32 PM, 13 August 2021)

Total Marks: 10

Systematic steps of Western blotting protocol are

Select the correct option

- ☒ 1-Sample preparation,2- Gel Electrophoresis,3- Blotting (or transfer),4- Blocking,5- Antibody probing,6- Detection
- ☐ 1-Antibody probing,2- Gel Electrophoresis,3- Blocking,4- Blotting (or transfer),5- Sample preparation,6- Detection
- ☐ 1-Sample preparation,2- Blotting (or transfer),3- Gel Electrophoresis,4- Blocking,5- Detection,6- Antibody probing
- ☐ 1-Sample preparation,2- Blocking,3- Blotting (or transfer),4- Gel Electrophoresis,5- Antibody probing,6- Detection

Click to Save Answer & Move to Next Question



BC200203037: ZUNEERA YOUNAS

Time Left 85 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:33 PM, 13 August 2021

Question # 5 of 10 (Start time: 03:33:50 PM, 13 August 2021)

Total Marks: 1

The process of detection of the bands complementary to the probe, during Southern blotting is called -----

Select the correct option

- ☐ Autography
- ☐ Biography
- ☒ Autoradiography
- ☐ None

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Click to Save Answer & Move to Next Question



10203:Quiz 2

Quiz Start Time: 03:33 PM, 13 August 2021

Question # 6 of 10 (Start time: 03:33:58 PM, 13 August 2021)

Total Marks:

The presence of a mutation affecting a restriction site causes the pattern of bands to -----from those seen in a normal gene.

Select the correct option



All



Same



Differ



Not affected

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Click to Save Answer & Move to Next Question



PG200203037: ZUNEERA YOUNAS

Time Left 07 sec(s)

10203:Quiz 2

Quiz Start Time: 03:33 PM, 13 August 2021

Question # 7 of 10 (Start time: 03:34:07 PM, 13 August 2021)

Total Marks:

Western blotting technique is also used to detect

Select the correct option

- | | |
|----------------------------------|-----------------|
| <input type="radio"/> | Mad cow disease |
| <input type="radio"/> | Lyme Disease |
| <input checked="" type="radio"/> | All |
| <input type="radio"/> | Hepatitis-B |

Click to Save Answer & Move to Next Question

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BC200203037: ZUNEERA YOUNAS

Time Left 88 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:33 PM, 13 August 2021

Question # 2 of 10 (Start time: 03:33:31 PM, 13 August 2021)

Total Marks: 1

Northern blot is used in many ways while studying RNA, for example

Select the correct option

- ☒ All of above
- ☐ Study of gene expression in eukaryotic cells
- ☐ To estimate the abundance of RNAs
- ☐ To measure the amount & size of RNAs transcribed from eukaryotic genes

Click to Save Answer & Move to Next Question

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BC200203037: ZUNEERA YOUNAS

Time Left 85 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:33 PM, 13 August 2021

Question # 3 of 10 (Start time: 03:33:36 PM, 13 August 2021)

Total Marks: 1

Which is not a property of probe.

Select the correct option

- ☐ Labeled material
- ☒ 20Kb-30Kb nucleotides
- ☐ Detect a target
- ☐ Complementary to a region

Click to Save Answer & Move to Next Question

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BC200203037: ZUNEERA YOUNAS

Time Left 87 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:33 PM, 13 August 2021

Question # 4 of 10 (Start time: 03:33:44 PM, 13 August 2021)

Total Marks: 1

Wet transfer, during western blotting is recommended for large proteins of size-----

Select the correct option

- ☐ >50 kD
- ☐ >10 kD
- ☐ None
- ☒ >100 kD

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Click to Save Answer & Move to Next Question



BC200204672: FILZA MARIAM

Time Left 64 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:23 PM, 13 August 2021

Question # 9 of 10 (Start time: 03:29:55 PM, 13 August 2021)

Total Marks: 1

Wet transfer, during western blotting is recommended for large proteins of size-----

Select the correct option

- | | |
|----------------------------------|---------|
| <input type="radio"/> | None |
| <input type="radio"/> | >10 kD |
| <input type="radio"/> | >50 kD |
| <input checked="" type="radio"/> | >100 kD |

Click to Save Answer & Move to Next Question

03460004097



BC200204672: FILZA MARIAM

Time Left 88 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:23 PM, 13 August 2021

Question # 10 of 10 (Start time: 03:30:40 PM, 13 August 2021)

Total Marks: 1

Western blotting test is used in the analysis of Biomarkers such as-----

Select the correct option

- ☐ Cytokines
- ☒ All
- ☐ Growth factors
- ☐ Hormones

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Click to Save Answer & Move to Next Question





BC200203037: ZUNEERA YOUNAS

Time Left 76 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:33 PM, 13 August 2021

Question # 1 of 10 (Start time: 03:33:09 PM, 13 August 2021)

Total Marks: 1

----- is just a semi-quantitative at best. Only an approx. estimation & not a precise measurement of molecular weight of the protein is possible

Select the correct option

- ☐ Northern blotting
- ☒ Western blotting
- ☐ Eastern blotting
- ☐ Southern blotting

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Click to Save Answer & Move to Next Question





BC200204672: FILZA MARIAM

Time Left 85 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:23 PM, 13 August 2021

Question # 6 of 10 (Start time: 03:28:12 PM, 13 August 2021)

Total Marks: 1

The ----- blotting technique is also employed in
The Gene Expression Studies

Select the correct option

- | | |
|----------------------------------|----------|
| <input checked="" type="radio"/> | Western |
| <input type="radio"/> | Northern |
| <input type="radio"/> | Southern |
| <input type="radio"/> | Eastern |

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Click to Save Answer & Move to Next Question





BC200204672: FILZA MARIAM

Time Left 86 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:23 PM, 13 August 2021

Question # 7 of 10 (Start time: 03:28:46 PM, 13 August 2021)

Total Marks: 1

Which is true for Non-Radioactive Probe – biotin

Select the correct option

- ☒ Sensitive
- ☐ Hazardous
- ☐ Radioactive waste disposal regulations should be followed
- ☐ Relatively cheap

Click to Save Answer & Move to Next Question

03460004097



BC200204672: FILZA MARIAM

Time Left 80 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:23 PM, 13 August 2021

Question # 8 of 10 (Start time: 03:29:13 PM, 13 August 2021)

Total Marks: 1

The binding between single stranded labeled probe to a complementary nucleotide sequence on the target DNA is called as-----.

Select the correct option

- ☐ Restriction digestion
- ☐ Electrophoresis
- ☒ Hybridization
- ☐ Amplification

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Click to Save Answer & Move to Next Question





BC200204520: HUMERA RAFIQUE

Time Left 79 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:01 PM, 13 August 2021

Question # 10 of 10 (Start time: 03:09:34 PM, 13 August 2021)

Total Marks: 1

Labeled material to detect complementary region in the gene or DNA is called as.

Select the correct option

- | | |
|----------------------------------|-----------------|
| <input type="radio"/> | Blocking agents |
| <input type="radio"/> | Biotin |
| <input checked="" type="radio"/> | Probe |
| <input type="radio"/> | DNTPs |

Click to Save Answer & Move to Next Question

03460004097





BC200204672: FILZA MARIAM

Time Left 87 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:23 PM, 13 August 2021

Question # 1 of 10 (Start time: 03:23:06 PM, 13 August 2021)

Total Marks: 1

During western blotting the choice of extraction method depends primarily on the -----

Select the correct option



Whether the analysis is targeting only a subcellular fraction



All



Whether the analysis is targeting all the proteins



Sample

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Click to Save Answer & Move to Next Question





BC200204672: FILZA MARIAM

Time Left 83 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:23 PM, 13 August 2021

Question # 5 of 10 (Start time: 03:27:45 PM, 13 August 2021)

Total Marks: 1

The most common antibody label used in Western blots is --

Select the correct option



None



HRP



Biotin



Alexa Fluor

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Click to Save Answer & Move to Next Question



BC200204520: HUMERA RAFIQUE

Time Left 67 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:01 PM, 13 August 2021

Question # 7 of 10 (Start time: 03:07:04 PM, 13 August 2021)

Total Marks: 1

The presence of a mutation affecting a restriction site causes the pattern of bands to -----from those seen in a normal gene.

Select the correct option

- ☐ Not affected
- ☒ Differ
- ☐ All
- ☐ Same

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Click to Save Answer & Move to Next Question



Quiz

quiz.vu.edu.pk



BC200204520: HUMERA RAFIQUE

Time Left 70 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:01 PM, 13 August 2021

Question # 8 of 10 (Start time: 03:07:51 PM, 13 August 2021)

Total Marks: 1

----- is sometimes called as protein blotting or immunoblotting

Select the correct option

- ☒ Western blotting
- ☐ Northern blotting
- ☐ Southern blotting
- ☐ Eastern blotting

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Click to Save Answer & Move to Next Question





BC200204520: HUMERA RAFIQUE

Time Left 60 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:01 PM, 13 August 2021

Question # 9 of 10 (Start time: 03:08:30 PM, 13 August 2021)

Total Marks: 1

-----are the transfer methods of DNA to membrane during southern blotting

Select the correct option

- ☐ Vacuum transfer
- ☒ All
- ☐ Electrophoretic transfer
- ☐ Simultaneous transfer to two membranes

Click to Save Answer & Move to Next Question

03460004097



BC200204520: HUMERA RAFIQUE

Time Left 77 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:01 PM, 13 August 2021

Question # 4 of 10 (Start time: 03:04:35 PM, 13 August 2021)

Total Marks: 1

During western blotting, transfer can be done in

Select the correct option

- ☒ Wet or semi-dry conditions
- ☐ Dry or semi-wet conditions
- ☐ Semi wet or semi-dry conditions
- ☐ Dry or semi-dry conditions

Click to Save Answer & Move to Next Question

03460004097



BC200204520: HUMERA RAFIQUE

Time Left 86 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:01 PM, 13 August 2021

Question # 5 of 10 (Start time: 03:05:27 PM, 13 August 2021)

Total Marks: 1

Which is not an application of northern blot

Select the correct option



To Study of gene expression in eukaryotic cells.



To measure the amount & size of RNAs transcribed from eukaryotic genes.



To estimate the abundance of RNAs



To make a multiple copies of RNA

Click to Save Answer & Move to Next Question

03460004097





BC200204520: HUMERA RAFIQUE

Time Left 65 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:01 PM, 13 August 2021

Question # 6 of 10 (Start time: 03:06:17 PM, 13 August 2021)

Total Marks: 1

In Western blotting technique, incorrect labeling of the protein can happen due to the reaction of ----- antibody

Select the correct option

- ☐ Tertiary
- ☒ Secondary
- ☐ Primary
- ☐ None of above

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Click to Save Answer & Move to Next Question

Quiz
quiz.vu.edu.pk

5C200204520: HUMERA KAFIQUE

Time Left
37 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:01 PM, 13 August 2021

Question # 1 of 10 (Start time: 03:01:40 PM, 13 August 2021)

Total Marks:

Northern blot is a method used for detection of a specific ---

Select the correct option



DNA



Carbohydrate



RNA



Proteins

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Click to Save Answer & Move to Next Question





BC200204520: HUMERA RAFIQUE

Time Left 79 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:01 PM, 13 August 2021

Question # 2 of 10 (Start time: 03:03:08 PM, 13 August 2021)

Total Marks: 1

Which is true for Non-Radioactive Probe – biotin

Select the correct option

- ☐ Hazardous
- ☒ Sensitive
- ☐ Radioactive waste disposal regulations should be followed
- ☐ Relatively cheap

Click to Save Answer & Move to Next Question

03460004097





BC200204520: HUMERA RAFIQUE

Time Left 85 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:01 PM, 13 August 2021

Question # 3 of 10 (Start time: 03:03:57 PM, 13 August 2021)

Total Marks: 1

Western blotting technique is simply a way to identify unknown -----on a polyacrylamide gel

Select the correct option

- ☐ Carbohydrate
- ☒ Proteins
- ☐ DNA
- ☐ RNA

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Click to Save Answer & Move to Next Question





BC200204704: SABA MAQB00L

Time Left 60 sec(s)

BIO203:Quiz 2

Quiz Start Time: 11:14 PM, 12 August 2021

Question # 6 of 10 (Start time: 11:19:29 PM, 12 August 2021)

Total Marks: 1

During Southern blotting, -----drawn from a reservoir passes through the -----into the stack of -----

Select the correct option

- ☒ Paper towel, Buffer, Gel
- ☐ Gel, Buffer, Paper towel
- ☐ Gel, Paper towel, Buffer
- ☐ Buffer, Gel, Paper towel

03460004097

Click to Save Answer & Move to Next Question





BC200204704: SABA MAQBOOL

Time Left 70 sec(s)

BIO203:Quiz 2

Quiz Start Time: 11:14 PM, 12 August 2021

Question # 7 of 10 (Start time: 11:21:57 PM, 12 August 2021)

Total Marks: 1

The process of detection of the bands complementary to the probe, during Southern blotting is called -----

Select the correct option

- ☒ Autoradiography
- ☐ Autography
- ☐ None
- ☐ Biography

03460004097

Click to Save Answer & Move to Next Question





BC200204704: SABA MAQBOOL

Time Left 39 sec(s)

BIO203:Quiz 2

Quiz Start Time: 11:14 PM, 12 August 2021

Question # 8 of 10 (Start time: 11:23:02 PM, 12 August 2021)

Total Marks: 1

DNA Mutations can be identified by -----

Select the correct option

- ☐ Eastern blotting
- ☐ Northern blotting
- ☐ Western blotting
- ☒ Southern blotting

03460004097



Click to Save Answer & Move to Next Question



BC200204704: SABA MAQBOOL

Time Left 57 sec(s)

BIO203:Quiz 2

Quiz Start Time: 11:14 PM, 12 August 2021

Question # 2 of 10 (Start time: 11:15:16 PM, 12 August 2021)

Total Marks: 1

During western blotting the choice of extraction method depends primarily on the -----

Select the correct option

- ☒ All
- ☐ Whether the analysis is targeting only a subcellular fraction
- ☐ Whether the analysis is targeting all the proteins
- ☐ Sample

03460004097

Click to Save Answer & Move to Next Question



BC200204704: SABA MAQBOOL

Time Left 81 sec(s)

BIO203:Quiz 2

Quiz Start Time: 11:14 PM, 12 August 2021

Question # 4 of 10 (Start time: 11:18:34 PM, 12 August 2021)

Total Marks: 1

A change in one nucleotide may alter the nucleotide sequence so that the -----fails to recognize and cleave at that site.

Select the correct option



Taq polymerase



Polymerase I,II,III



Restriction endonuclease



Helicase

03460004097

Click to Save Answer & Move to Next Question





Quiz

quiz.vu.edu.pk



BC200204704: SABA MAQBOOL

Time Left 90 sec(s)

BIO203:Quiz 2

Quiz Start Time: 11:14 PM, 12 August 2021

Question # 5 of 10 (Start time: 11:19:19 PM, 12 August 2021)

Total Marks: 1

Which is not a property of probe.

Select the correct option

- ☐ Complementary to a region
- ☐ Labeled material
- ☒ 20Kb-30Kb nucleotides
- ☐ Detect a target

Click to Save Answer & Move to Next Question

03460004097





BC200205909: HAFSA YAR

Time Left 73 sec(s)

BIO203:Quiz 2

Quiz Start Time: 10:58 PM, 12 August 2021

Question # 9 of 10 (Start time: 11:10:41 PM, 12 August 2021)

Total Marks: 1

In Western blotting technique, incorrect labeling of the protein can happen due to the reaction of ----- antibody

Select the correct option

- ☐ Tertiary
- ☐ Primary
- ☐ None of above
- ☒ Secondary

03460004097

Click to Save Answer & Move to Next Question





BC200205909: HAFSA YAR

Time Left 88 sec(s)

BIO203:Quiz 2

Quiz Start Time: 10:58 PM, 12 August 2021

Question # 10 of 10 (Start time: 11:11:49 PM, 12 August 2021)

Total Marks: 1

Western blotting technique is a widely used analytical technique in the fields of -----

Select the correct option

- ☒ All
- ☐ Immunogenetics
- ☐ Biochemistry
- ☐ Molecular biology

03460004097

Click to Save Answer & Move to Next Question



BC200204704: SABA MAQBOOL

Time Left 69 sec(s)

BIO203:Quiz 2

Quiz Start Time: 11:14 PM, 12 August 2021

Question # 1 of 10 (Start time: 11:14:08 PM, 12 August 2021)

Total Marks: 1

The binding between single stranded labeled probe to a complementary nucleotide sequence on the target DNA is called as-----.

Select the correct option

- ☒ Hybridization
- ☐ Restriction digestion
- ☐ Electrophoresis
- ☐ Amplification

03460004097

Click to Save Answer & Move to Next Question





BC200205909: HAFSA YAR

Time Left 67 sec(s)

BIO203:Quiz 2

Quiz Start Time: 10:58 PM, 12 August 2021

Question # 6 of 10 (Start time: 11:07:40 PM, 12 August 2021)

Total Marks: 1

Protein of interest is detected and localized using a specific antibody. In first step, Western blotting protocol utilize a -----
-----directed against the target protein.

Select the correct option

- ☒ Non-labeled primary antibody
- ☐ Non-labeled secondary antibody
- ☐ Labeled secondary antibody
- ☐ Labeled primary antibody

Click to Save Answer & Move to Next Question

03460004097



BC200205909: HAFSA YAR

Time Left 84 sec(s)

BIO203:Quiz 2

Quiz Start Time: 10:58 PM, 12 August 2021

Question # 7 of 10 (Start time: 11:08:59 PM, 12 August 2021)

Total Marks: 1

Western blotting technique is simply a way to identify unknown -----on a polyacrylamide gel

Select the correct option

- ☒ Proteins
- ☐ Carbohydrate
- ☐ RNA
- ☐ DNA

03460004097

Click to Save Answer & Move to Next Question





BC200205909: HAFSA YAR

Time Left 76 sec(s)

BIO203:Quiz 2

Quiz Start Time: 10:58 PM, 12 August 2021

Question # 8 of 10 (Start time: 11:09:38 PM, 12 August 2021)

Total Marks: 1

----- is just a semi-quantitative at best. Only an approx. estimation & not a precise measurement of molecular weight of the protein is possible

Select the correct option

- ☒ Western blotting
- ☐ Southern blotting
- ☐ Northern blotting
- ☐ Eastern blotting

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Click to Save Answer & Move to Next Question





BC200205909: HAFSA YAR

Time Left 41 sec(s)

BIO203:Quiz 2

Quiz Start Time: 10:58 PM, 12 August 2021

Question # 3 of 10 (Start time: 11:01:53 PM, 12 August 2021)

Total Marks: 1

Northern blot is used in many ways while studying RNA, for example

Select the correct option



Study of gene expression in eukaryotic cells



To measure the amount & size of RNAs transcribed from eukaryotic genes



To estimate the abundance of RNAs



All of above

03460004097



Click to Save Answer & Move to Next Question





BC200205909: HAFSA YAR

Time Left 37 sec(s)

BIO203:Quiz 2

Quiz Start Time: 10:58 PM, 12 August 2021

Question # 4 of 10 (Start time: 11:03:41 PM, 12 August 2021)

Total Marks: 1

Western blotting technique is used to

Select the correct option



Determine the molecular weight of a protein



Detect the presence of a specific protein



Measure relative amounts (quantitation) of the protein



All of above

03460004097



Click to Save Answer & Move to Next Question





BC200205909: HAFSA YAR

Time Left 53 sec(s)

BIO203:Quiz 2

Quiz Start Time: 10:58 PM, 12 August 2021

Question # 5 of 10 (Start time: 11:05:59 PM, 12 August 2021)

Total Marks: 1

Which is not a property of probe.

Select the correct option

- ☐ Labeled material
- ☐ Complementary to a region
- ☐ Detect a target
- ☒ 20Kb-30Kb nucleotides

Click to Save Answer & Move to Next Question

03460004097



BC200205909: HAFSA YAR

Time Left 39 sec(s)

BIO203:Quiz 2

Quiz Start Time: 10:58 PM, 12 August 2021

Question # 2 of 10 (Start time: 11:00:06 PM, 12 August 2021)

Total Marks: 1

Which is true for Non-Radioactive Probe – biotin

Select the correct option

- ☐ Radioactive waste disposal regulations should be followed
- ☐ Sensitive
- ☒ Relatively cheap
- ☐ Hazardous

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Click to Save Answer & Move to Next Question





BC200205909: HAFSA YAR

Time Left 67 sec(s)

BIO203:Quiz 2

Quiz Start Time: 10:58 PM, 12 August 2021

Question # 1 of 10 (Start time: 10:58:15 PM, 12 August 2021)

Total Marks: 1

Western blotting test is used in the analysis of Biomarkers such as-----

Select the correct option

- ☐ Cytokines
- ☐ Growth factors
- ☒ All
- ☐ Hormones

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Click to Save Answer & Move to Next Question



Systematic procedure of Northern blot is -----

Select the correct option

- ☐ Fixation- Isolation- Separation – Hybridization- Removal of probe- Detection
- ☐ Hybridization - Fixation- Isolation- Removal of probe - Detection -Separation
- ☒ Isolation- Separation- Fixation- Hybridization- Removal of probe- Detection
- ☐ Separation -Isolation- Removal of probe- Fixation- Detection- Hybridization

Click to Save Answer & Move to Next Question

03460004097



BC200202935: ASIA BIBI

Time Left 87 sec(s)

BIO203:Quiz 2

Quiz Start Time: 05:04 PM, 13 August 2021

Question # 1 of 10 (Start time: 05:04:09 PM, 13 August 2021)

Total Marks: 1

Labeled material to detect complementary region in the gene or DNA is called as.

Select the correct option

- | | |
|----------------------------------|-----------------|
| <input checked="" type="radio"/> | Probe |
| <input type="radio"/> | Biotin |
| <input type="radio"/> | Blocking agents |
| <input type="radio"/> | DNTPs |

Click to Save Answer & Move to Next Question

03460004097

Question # 9 of 10 (Start time: 03:45:25 PM, 13 August 2021)

Total Marks: 1

In Western blotting technique, incorrect labeling of the protein can happen due to the reaction of ----- antibody

Select the correct option

<input checked="" type="radio"/>	Secondary
<input type="radio"/>	None of above
<input type="radio"/>	Primary
<input type="radio"/>	Tertiary

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

03460004097

Question # 10 of 10 (Start time: 03:46:00 PM, 13 August 2021)

Total Marks: 1

Western blotting technique is simply a way to identify unknown
-----on a polyacrylamide gel

Select the correct option

<input type="radio"/>	Carbohydrate
<input type="radio"/>	RNA
<input checked="" type="radio"/>	Proteins
<input type="radio"/>	DNA

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

03460004097

Question # 5 of 10 (Start time: 03:40:29 PM, 13 August 2021)

Total Marks: 1

Systematic steps of Western blotting protocol are

Select the correct option

- ☐ 1-Antibody probing,2- Gel Electrophoresis,3- Blocking,4- Blotting (or transfer),5- Sample preparation,6- Detection
- ☒ 1-Sample preparation,2- Blocking,3- Blotting (or transfer),4- Gel Electrophoresis, 5- Antibody probing,6- Detection
- ☐ 1-Sample preparation,2- Blotting (or transfer),3- Gel Electrophoresis,4- Blocking,5- Detection ,6- Antibody probing
- ☐ 1-Sample preparation,2- Gel Electrophoresis,3- Blotting (or transfer),4- Blocking,5- Antibody probing,6- Detection

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

03460004097

Question # 6 of 10 (Start time: 03:42:40 PM, 13 August 2021)

Total Marks: 1

- -----antibody availability is a crucial step in Western blotting.

Select the correct option

<input type="radio"/>	None of above
<input type="radio"/>	Tertiary
<input checked="" type="radio"/>	Secondary
<input type="radio"/>	Primary

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

03460004097

Question # 7 of 10 (Start time: 03:44:07 PM, 13 August 2021)

Total Marks: 1

The presence of a mutation affecting a restriction site causes the pattern of bands to -----from those seen in a normal gene.

Select the correct option

<input type="radio"/>	All
<input checked="" type="radio"/>	Differ
<input type="radio"/>	Same
<input type="radio"/>	Not affected

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

03460004097

Question # 2 of 10 (Start time: 03:38:18 PM, 13 August 2021)

Total Marks: 1

The process of detection of the bands complementary to the probe, during Southern blotting is called -----

Select the correct option

<input type="radio"/>	Autography
<input type="radio"/>	None
<input type="radio"/>	Biography
<input checked="" type="radio"/>	Autoradiography

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

03460004097

Question # 3 of 10 (Start time: 03:39:05 PM, 13 August 2021)

Total Marks: 1

Wet transfer, during western blotting is recommended for large proteins of size-----

Select the correct option

- | | |
|----------------------------------|---------|
| <input type="radio"/> | >10 kD |
| <input type="radio"/> | >50 kD |
| <input checked="" type="radio"/> | >100 kD |
| <input type="radio"/> | None |

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

03460004097



BC200204537: SADIA KHALID

Time Left 87 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:36 PM, 13 August 2021

Question # 4 of 10 (Start time: 03:39:42 PM, 13 August 2021)

Total Marks: 1

Western blotting technique is a widely used analytical technique in the fields of -----

Select the correct option

- | | |
|----------------------------------|-------------------|
| <input type="radio"/> | Biochemistry |
| <input checked="" type="radio"/> | All |
| <input type="radio"/> | Immunogenetics |
| <input type="radio"/> | Molecular biology |

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Click to Save Answer & Move to Next Question



BC200204147: MUHAMMAD AHMAD

Time Left 80 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:11 PM, 13 August 2021

Question # 9 of 10 (Start time: 03:20:42 PM, 13 August 2021)

Total Marks: 1

Northern blot is a method used for detection of a specific -----

Select the correct option

- | | |
|----------------------------------|--------------|
| <input type="radio"/> | Proteins |
| <input type="radio"/> | DNA |
| <input type="radio"/> | Carbohydrate |
| <input checked="" type="radio"/> | RNA |

Click to Save Answer & Move to Next Question

03460004097



BC200204147: MUHAMMAD AHMAD

Time Left 88 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:11 PM, 13 August 2021

Question # 10 of 10 (Start time: 03:21:39 PM, 13 August 2021)

Total Marks: 1

Which is not a property of probe.

Select the correct option

- | | |
|----------------------------------|---------------------------|
| <input type="radio"/> | Detect a target |
| <input type="radio"/> | Complementary to a region |
| <input type="radio"/> | Labeled material |
| <input checked="" type="radio"/> | 20Kb-30Kb nucleotides |

Click to Save Answer & Move to Next Question

03460004097

Western blotting technique is used to

Select the correct option

<input checked="" type="radio"/>	All of above
<input type="radio"/>	Determine the molecular weight of a protein
<input type="radio"/>	Measure relative amounts (quantitation) of the protein
<input type="radio"/>	Detect the presence of a specific protein

Click to Save Answer & Move Next Question

03460004097



BC200204147: MUHAMMAD AHMAD

Time Left 88 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:11 PM, 13 August 2021

Question # 6 of 10 (Start time: 03:17:31 PM, 13 August 2021)

Total Marks: 1

Systematic procedure of Northern blot is -----

Select the correct option

- ☐ Separation -Isolation- Removal of probe- Fixation- Detection- Hybridization
- ☐ Hybridization - Fixation- Isolation- Removal of probe - Detection -Separation
- ☒ Isolation- Separation- Fixation- Hybridization- Removal of probe- Detection
- ☐ Fixation- Isolation- Separation – Hybridization- Removal of probe- Detection

Click to Save Answer & Move to Next Question

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BC200204147: MUHAMMAD AHMAD

Time Left 72 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:11 PM, 13 August 2021

Question # 7 of 10 (Start time: 03:18:53 PM, 13 August 2021)

Total Marks: 1

During northern blot, separation of RNA according to size through a ----- gel.

Select the correct option

- | | |
|----------------------------------|------------|
| <input type="radio"/> | SDS-PAGE |
| <input type="radio"/> | None |
| <input type="radio"/> | Denaturing |
| <input checked="" type="radio"/> | Agarose |

Click to Save Answer & Move to Next Question

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BC200204147: MUHAMMAD AHMAD

Time Left 72 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:11 PM, 13 August 2021

Question # 8 of 10 (Start time: 03:19:55 PM, 13 August 2021)

Total Marks: 1

Labeled material to detect complementary region in the gene or DNA is called as.

Select the correct option

- | | |
|----------------------------------|-----------------|
| <input type="radio"/> | Blocking agents |
| <input checked="" type="radio"/> | Probe |
| <input type="radio"/> | Biotin |
| <input type="radio"/> | DNTPs |

Click to Save Answer & Move to Next Question

03460004097



BC200204147: MUHAMMAD AHMAD

Time Left 71 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:11 PM, 13 August 2021

Question # 2 of 10 (Start time: 03:11:51 PM, 13 August 2021)

Total Marks: 1

The process of detection of the bands complementary to the probe, during Southern blotting is called -----

Select the correct option

- | | |
|-----------------------|-----------------|
| <input type="radio"/> | None |
| <input type="radio"/> | Autoradiography |
| <input type="radio"/> | Autography |
| <input type="radio"/> | Biography |

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Click to Save Answer & Move to Next Question



BC200204147: MUHAMMAD AHMAD

Time Left 66 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:11 PM, 13 August 2021

Question # 3 of 10 (Start time: 03:13:25 PM, 13 August 2021)

Total Marks: 1

A change in one nucleotide may alter the nucleotide sequence so that the -----fails to recognize and cleave at that site.

Select the correct option

- | | |
|----------------------------------|--------------------------|
| <input type="radio"/> | Restriction endonuclease |
| <input checked="" type="radio"/> | Taq polymerase |
| <input type="radio"/> | Helicase |
| <input type="radio"/> | Polymerase I,II,III |

Click to Save Answer & Move to Next Question

03460004097



BC200204147: MUHAMMAD AHMAD

Time Left

75

sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:11 PM, 13 August 2021

Question # 4 of 10 (Start time: 03:15:17 PM, 13 August 2021)

Total Marks: 1

The ----- blotting technique is also employed in The Gene Expression Studies

Select the correct option

- | | |
|----------------------------------|----------|
| <input checked="" type="radio"/> | Western |
| <input type="radio"/> | Eastern |
| <input type="radio"/> | Southern |
| <input type="radio"/> | Northern |

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Click to Save Answer & Move to Next Question



BC200205771: SARA BATOOL

Time Left 65 sec(s)

BIO203:Quiz 2

Quiz Start Time: 12:46 PM, 13 August 2021

Question # 4 of 10 (Start time: 12:50:07 PM, 13 August 2021)

Total Marks: 1

Diagnosis of HIV by ELISA, involves the ----- blotting technique.

Select the correct option

- | | |
|----------------------------------|----------|
| <input checked="" type="radio"/> | Western |
| <input type="radio"/> | Northern |
| <input type="radio"/> | Southern |
| <input type="radio"/> | Eastern |

03460004097

Click to Save Answer & Move to Next Question



BC200205771: SARA BATOOL

Time Left 69 sec(s)

BIO203-Quiz 2

Quiz Start Time: 12:46 PM, 13 August 2021

Question # 2 of 10 (Start time: 12:47:30 PM, 13 August 2021)

Total Marks: 1

The ----- blotting technique is also employed in
The Gene Expression Studies

Select the correct option

- | | |
|----------------------------------|----------|
| <input checked="" type="radio"/> | Northern |
| <input type="radio"/> | Southern |
| <input type="radio"/> | Eastern |
| <input type="radio"/> | Western |

03460004097

Click to Save Answer & Move to Next Question



BC200204147: MUHAMMAD AHMAD

Time Left 87 sec(s)

BIO203:Quiz 2

Quiz Start Time: 03:11 PM, 13 August 2021

Question # 1 of 10 (Start time: 03:11:14 PM, 13 August 2021)

Total Marks: 1

Western blotting technique is used to

Select the correct option

- | | |
|----------------------------------|--|
| <input type="radio"/> | Determine the molecular weight of a protein |
| <input type="radio"/> | Detect the presence of a specific protein |
| <input checked="" type="radio"/> | All of above |
| <input type="radio"/> | Measure relative amounts (quantitation) of the protein |

Click to Save Answer & Move to Next Question

03460004097



BC200203161: UNAIZA AKBER

Time Left 78 sec(s)

BIO203-Quiz 2

Quiz Start Time: 01:13 PM, 13 August 2021

Question # 5 of 10 (Start time: 01:17:37 PM, 13 August 2021)

Total Marks: 1

Systematic procedure of Northern blot is -----

Select the correct option

- ☐ Fixation- Isolation- Separation – Hybridization- Removal of probe- Detection
- ☒ Isolation- Separation- Fixation- Hybridization- Removal of probe- Detection
- ☐ Separation -Isolation- Removal of probe- Fixation- Detection- Hybridization
- ☐ Hybridization - Fixation- Isolation- Removal of probe - Detection -Separation

Click to Save Answer & Move to Next Question



BC200203161: UNAIZA AKBER

Time Left 70
sec(s)

BIO203-Quiz 2

Quiz Start Time: 01:13 PM, 13 August 2021

Question # 3 of 10 (Start time: 01:15:31 PM, 13 August 2021)

Total Marks: 1

-----is a very important step in the immunodetection phase of Western blotting because it prevents non-specific binding of antibody to the blotting membrane.

Select the correct option

- | | |
|----------------------------------|----------------------|
| <input checked="" type="radio"/> | Blocking |
| <input type="radio"/> | Antibody probing |
| <input type="radio"/> | Gel Electrophoresis |
| <input type="radio"/> | Blotting or transfer |

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Click to Save Answer & Move to Next Question





BC200205771: SARA BATOOL

Time Left 47 sec(s)

BIO203: Quiz 2

Quiz Start Time: 12:46 PM, 13 August 2021

Question # 3 of 10 (Start time: 12:48:48 PM, 13 August 2021)

Total Marks: 1

Western blotting technique is a widely used analytical technique in the fields of -----

Select the correct option

- | | |
|----------------------------------|-------------------|
| <input type="radio"/> | Biochemistry |
| <input type="radio"/> | Molecular biology |
| <input type="radio"/> | Immunogenetics |
| <input checked="" type="radio"/> | All |

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Click to Save Answer & Move to Next Question



BC200203161: UNAIZA AKBER

Time Left 61 sec(s)

BIO203-Quiz 2

Quiz Start Time: 01:13 PM, 13 August 2021

Question # 10 of 10 (Start time: 01:23:30 PM, 13 August 2021)

Total Marks: 1

Northern blot is a method used for detection of a specific ---

Select the correct option



Carbohydrate



RNA



DNA



Proteins

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Click to Save Answer & Move to Next Question



BC200203161: UNAIZA AKBER

Time Left 61 sec(s)

BIO203-Quiz 2

Quiz Start Time: 01:13 PM, 13 August 2021

Question # 6 of 10 (Start time: 01:16:41 PM, 13 August 2021)

Total Marks: 1

The binding between single stranded labeled probe to a complementary nucleotide sequence on the target DNA is called as-----.

Select the correct option



Restriction digestion



Amplification



Hybridization



Electrophoresis

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Click to Save Answer & Move to Next Question

Quiz Start Time: 01:13 PM, 13 August 2021

Total Marks: 1

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



BC200203161: UNAIZA AKBER

Time Left 65 sec(s)

BIO203-Quiz 2

Quiz Start Time: 01:13 PM, 13 August 2021

Question # 7 of 10 (Start time: 01:19:51 PM, 13 August 2021)

Total Marks: 1

_____ is sometimes called as protein blotting or immunoblotting

Select the correct option

- ☐ Northern blotting
- ☐ Southern blotting
- ☐ Eastern blotting
- ☒ Western blotting

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Click to Save Answer & Move to Next Question



BC200203161: UNAIZA AKBER

Time Left 73 sec(s)

BIO203-Quiz 2

Quiz Start Time: 01:13 PM, 13 August 2021

Question # 4 of 10 (Start time: 01:16:31 PM, 13 August 2021)

Total Marks: 1

Which is true for Non-Radioactive Probe – biotin

Select the correct option



Hazardous



Relatively cheap



Sensitive



Radioactive waste disposal regulations should be followed

Click to Save Answer & Move to Next Question

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BC200203161: UNAIZA AKBER

Time Left 80 sec(s)

BIO203-Quiz 2

Quiz Start Time: 01:13 PM, 13 August 2021

Question # 2 of 10 (Start time: 01:14:42 PM, 13 August 2021)

Total Marks: 1

The most common antibody label used in Western blots is --

Select the correct option

☐

None

☒

HRP

☐

Alexa Fluor

☐

Biotin

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Click to Save Answer & Move to Next Question



BC200203161: UNAIZA AKBER

Time Left 72 sec(s)

BIO203-Quiz 2

Quiz Start Time: 01:13 PM, 13 August 2021

Question # 1 of 10 (Start time: 01:13:38 PM, 13 August 2021)

Total Marks: 1

Diagnosis of HIV by ELISA, involves the ----- blotting technique.

Select the correct option

- | | |
|----------------------------------|----------|
| <input type="radio"/> | Southern |
| <input type="radio"/> | Northern |
| <input type="radio"/> | Eastern |
| <input checked="" type="radio"/> | Western |

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Click to Save Answer & Move to Next Question



BC200205771: SARA BATOOL

Time Left 77 sec(s)

BIO203-Quiz 2

Quiz Start Time: 12:46 PM, 13 August 2021

Question # 6 of 10 (Start time: 12:52:19 PM, 13 August 2021)

Total Marks: 1

Which is not a property of probe.

Select the correct option

- ☐ Detect a target
- ☐ Labeled material
- ☐ Complementary to a region
- ☒ 20Kb-30Kb nucleotides

Click to Save Answer & Move to Next Question



BC200205771: SARA BATOOL

Time Left 66 sec(s)

BIO203-Quiz 2

Quiz Start Time: 12:46 PM, 13 August 2021

Question # 10 of 10 (Start time: 12:56:45 PM, 13 August 2021)

Total Marks: 1

Which is not an application of northern blot

Select the correct option

- ☐ To measure the amount & size of RNAs transcribed from eukaryotic genes.
- ☐ To Study of gene expression in eukaryotic cells.
- ☒ To make a multiple copies of RNA
- ☐ To estimate the abundance of RNAs

Click to Save Answer & Move to Next Question



BC200205771: SARA BATOOL

Time Left 51 sec(s)

BIO203:Quiz 2

Quiz Start Time: 12:46 PM, 13 August 2021

Question # 7 of 10 (Start time: 12:53:12 PM, 13 August 2021)

Total Marks: 1

Systematic steps of Western blotting protocol are

Select the correct option

- ☒ 1-Sample preparation,2- Gel Electrophoresis,3- Blotting (or transfer),4- Blocking,5- Antibody probing,6- Detection
- ☐ 1-Antibody probing,2- Gel Electrophoresis,3- Blocking,4- Blotting (or transfer),5- Sample preparation,6- Detection
- ☐ 1-Sample preparation,2- Blotting (or transfer),3- Gel Electrophoresis,4- Blocking,5- Detection ,6- Antibody probing
- ☐ 1-Sample preparation,2- Blocking,3- Blotting (or transfer),4- Gel Electrophoresis, 5- Antibody probing,6- Detection

Click to Save Answer & Move to Next Question



BC200205771: SARA BATOOL

Time Left 54 sec(s)

BIO203-Quiz 2

Quiz Start Time: 12:46 PM, 13 August 2021

Question # 9 of 10 (Start time: 12:55:39 PM, 13 August 2021)

Total Marks: 1

----- is just a semi-quantitative at best. Only an approx. estimation & not a precise measurement of molecular weight of the protein is possible

Select the correct option



Eastern blotting



Western blotting



Southern blotting



Northern blotting

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Click to Save Answer & Move to Next Question





BC200205771: SARA BATOOL

Time Left 80 sec(s)

BIO203-Quiz 2

Quiz Start Time: 12:46 PM, 13 August 2021

Question # 1 of 10 (Start time: 12:46:15 PM, 13 August 2021)

Total Marks: 1

Labeled material to detect complementary region in the gene or DNA is called as.

Select the correct option

- | | |
|----------------------------------|-----------------|
| <input type="radio"/> | Biotin |
| <input type="radio"/> | Blocking agents |
| <input type="radio"/> | DNTPs |
| <input checked="" type="radio"/> | Probe |

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Click to Save Answer & Move to Next Question



BC200205771: SARA BATOOL

Time Left 69 sec(s)

BIO203-Quiz 2

Quiz Start Time: 12:46 PM, 13 August 2021

Question # 5 of 10 (Start time: 12:51:15 PM, 13 August 2021)

Total Marks: 1

In Western blotting technique, incorrect labeling of the protein can happen due to the reaction of ----- antibody

Select the correct option

☐ None of above☒ Secondary☐ Tertiary☐ Primary

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Click to Save Answer & Move to Next Question



BC200205771: SARA BATOOL

Time Left 63 sec(s)

BIO203:Quiz 2

Quiz Start Time: 12:46 PM, 13 August 2021

Question # 8 of 10 (Start time: 12:54:34 PM, 13 August 2021)

Total Marks: 1

Western blotting technique is used to

Select the correct option



All of above



Measure relative amounts (quantitation) of the protein



Determine the molecular weight of a protein



Detect the presence of a specific protein

Click to Save Answer & Move to Next Question

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BC200203609: MUHAMMAD IQBAL

Time Left 51 sec(s)

BIO203-Quiz 2

Quiz Start Time: 12:19 PM, 13 August 2021

Question # 5 of 10 (Start time: 12:25:30 PM, 13 August 2021)

Total Marks: 1

----- is just a semi-quantitative at best. Only an approx. estimation & not a precise measurement of molecular weight of the protein is possible

Select the correct option

- | | |
|----------------------------------|-------------------|
| <input checked="" type="radio"/> | Western blotting |
| <input type="radio"/> | Eastern blotting |
| <input type="radio"/> | Southern blotting |
| <input type="radio"/> | Northern blotting |

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Click to Save Answer & Move to Next Question





BC200203609: MUHAMMAD IQBAL

Time Left 72 sec(s)

BIO203-Quiz 2

Quiz Start Time: 12:19 PM, 13 August 2021

Question # 2 of 10 (Start time: 12:21:33 PM, 13 August 2021)

Total Marks: 1

Systematic procedure of Northern blot is -----

Select the correct option

- ☐ Isolation- Separation- Fixation- Hybridization- Removal of probe- Detection
- ☐ Fixation- Isolation- Separation – Hybridization- Removal of probe- Detection
- ☐ Hybridization - Fixation- Isolation- Removal of probe - Detection -Separation
- ☐ Separation -Isolation- Removal of probe- Fixation- Detection- Hybridization

Click on Save/Answer & Move to Next Question

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وہ چند لمحے جو گزرے تیری رفاقت میں
اقبال
نہ جانے میرے کتنے برس کام آئے

شاہین گروپ آف بی ایس زووالوجی

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