

WU Medical Zone

BIO 203 Grand Quiz Fall 2020

BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:10 AM, 26 December 2020

Question # 1 of 30 (Start time: 02:10:00 AM, 26 December 2020)

Total Marks: 1

_____enzymes have symmetrical recognition sequences but are of little value

Select the correct option

- | | | | |
|----------------------------------|--------------|--|---|
| <input checked="" type="radio"/> | Type III | Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com | / |
| <input type="radio"/> | Exonucleases | | / |
| <input type="radio"/> | Type II | | / |
| <input type="radio"/> | Type I | | / |

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:10 AM, 26 December 2020

Question # 2 of 30 (Start time: 02:11:15 AM, 26 December 2020)

Total Marks: 1

_____ is used for the screening of bacterial or yeast clones for correct ligation or plasmid products

Select the correct option

- | | | | |
|----------------------------------|---------------|--|---|
| <input type="radio"/> | RT-PCR | Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com | / |
| <input type="radio"/> | Real time PCR | | / |
| <input type="radio"/> | Nested PCR | | / |
| <input checked="" type="radio"/> | Colony PCR | | / |

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

WU Medical Zone

BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 3 of 30 (Start time: 02:12:08 AM, 26 December 2020)

Total Marks: 1

AFLP is a highly sensitive PCR-based method for detecting _____ in DNA

Select the correct option

<input checked="" type="radio"/>	Polymorphisms	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	/
<input type="radio"/>	Deletion		/
<input type="radio"/>	Insertion		/
<input type="radio"/>	Duplication		/

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 4 of 30 (Start time: 02:12:56 AM, 26 December 2020)

Total Marks: 1

Agarose extracted from sea weeds finds use in ____

Select the correct option

<input type="radio"/>	Spectrophotometry		/
<input checked="" type="radio"/>	Gel electrophoresis	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	/
<input type="radio"/>	PCR		/
<input type="radio"/>	Tissue culture		/

Click to Save Answer & Move to Next Question



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BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 5 of 30 (Start time: 02:13:14 AM, 26 December 2020)

Total Marks: 1

PCR uses the template for the reverse primers is a restriction fragment that has been self-ligated

Select the correct option

<input checked="" type="radio"/>	Inverse	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	//
<input type="radio"/>	Allele-specific		//
<input type="radio"/>	Colony		//
<input type="radio"/>	Asymmetric		//

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 6 of 30 (Start time: 02:13:53 AM, 26 December 2020)

Total Marks: 1

Which of the following statements are true regarding PCR?

Select the correct option

<input type="radio"/>	Primer extension occurs at 72°C		//
<input type="radio"/>	Denaturation involves heating at 90 to 98°C		//
<input type="radio"/>	Annealing involves the binding of primer between 40 to 60°C		//
<input checked="" type="radio"/>	All of the above	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	//

Click to Save Answer & Move to Next Question



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BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 7 of 30 (Start time: 02:15:22 AM, 26 December 2020)

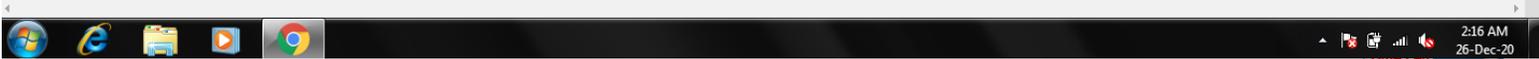
Total Marks: 1

_____ tools have also allowed to perform prenatal genetic diagnosis

Select the correct option

- | | | | |
|----------------------------------|--------------|--|---|
| <input checked="" type="radio"/> | Molecular | Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com | / |
| <input type="radio"/> | Microbiology | | / |
| <input type="radio"/> | Histology | | / |
| <input type="radio"/> | Radiology | | / |

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 8 of 30 (Start time: 02:16:15 AM, 26 December 2020)

Total Marks: 1

The extension rate of Taq Polymerase enzyme is -----

Select the correct option

- | | | | |
|----------------------------------|-----------|--|---|
| <input type="radio"/> | 60 nt/sec | | / |
| <input type="radio"/> | 65 nt/sec | | / |
| <input type="radio"/> | 70 nt/sec | | / |
| <input checked="" type="radio"/> | 75 nt/sec | Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com | / |

Click to Save Answer & Move to Next Question



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BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:10 AM, 26 December 2020

Question # 9 of 30 (Start time: 02:16:50 AM, 26 December 2020)

Total Marks: 1

What would the generally expected effect on the PCR reaction be of adjustments that increase the temperature of the annealing phase and the length of the elongation phase?

Select the correct option

- | | | | |
|----------------------------------|--|--|-----|
| <input checked="" type="radio"/> | Precision and yield will be reduced | Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com | /// |
| <input type="radio"/> | Precision will be reduced, but yield will be increased | | /// |
| <input type="radio"/> | Precision will be increased, but yield will be reduced | | /// |
| <input type="radio"/> | Precision and yield will be increased | | /// |

Click to Save Answer & Move to Next Question



2:17 AM
26-Dec-20

BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:10 AM, 26 December 2020

Question # 10 of 30 (Start time: 02:17:56 AM, 26 December 2020)

Total Marks: 1

The instrument used to run the PCR is known as -----

Select the correct option

- | | | | |
|----------------------------------|---------------------|--|-----|
| <input type="radio"/> | Centrifuge machine | Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com | /// |
| <input type="radio"/> | Incubator | | /// |
| <input type="radio"/> | UV Transilluminator | | /// |
| <input checked="" type="radio"/> | Thermocycler | | /// |

Click to Save Answer & Move to Next Question



2:18 AM
26-Dec-20

WU Medical Zone

BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 11 of 30 (Start time: 02:18:18 AM, 26 December 2020)

Total Marks: 1

Non genomic material such as RNA can be detected by _____

Select the correct option

<input checked="" type="radio"/>	In situ PCR	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	/
<input type="radio"/>	Conventional PCR		/
<input type="radio"/>	Western blotting		/
<input type="radio"/>	Spectrophotometer		/

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 12 of 30 (Start time: 02:19:05 AM, 26 December 2020)

Total Marks: 1

If the primer sequence is TCG, what section of DNA will it anneal?

Select the correct option

<input checked="" type="radio"/>	AGC	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	/
<input type="radio"/>	CAT		/
<input type="radio"/>	GAC		/
<input type="radio"/>	ATC		/

Click to Save Answer & Move to Next Question



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BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:10 AM, 26 December 2020

Question # 13 of 30 (Start time: 02:19:55 AM, 26 December 2020)

Total Marks: 1

Which one of the following is the source of pfu Polymerase?

Select the correct option

<input type="radio"/>	Thermococcus litoralis	
<input type="radio"/>	Thermococcus litoralis	
<input checked="" type="radio"/>	Pyrococcus furiosus	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
<input type="radio"/>	T. aquaticus	

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:10 AM, 26 December 2020

Question # 14 of 30 (Start time: 02:20:25 AM, 26 December 2020)

Total Marks: 1

In _____ PCR there is very low probability of non-specific amplification of DNA

Select the correct option

<input checked="" type="radio"/>	Nested	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
<input type="radio"/>	Multiplex	
<input type="radio"/>	RT-PCR	
<input type="radio"/>	Conventional	

Click to Save Answer & Move to Next Question



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Time Left: 00:00:00 sec(s)

BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 15 of 30 (Start time: 02:21:15 AM, 26 December 2020)

Total Marks: 1

----- PCR uses primers whose 3' ends encompass the SNP.

Select the correct option

- Reverse Transcriptase PCR
 - Assembly PCR
 - Ligation mediated PCR
 - Allele Specific PCR
- Answer Solved by Amaan Khan**
Contact: 0305-4716616
Email: maniamaan2@gmail.com

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



BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 16 of 30 (Start time: 02:21:50 AM, 26 December 2020)

Total Marks: 1

Methylation-specific PCR is used to identify patterns of DNA methylation at _____

Select the correct option

- CpG islands
 - Promoter region
 - AP Site
 - Start site
- Answer Solved by Amaan Khan**
Contact: 0305-4716616
Email: maniamaan2@gmail.com

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



WU Medical Zone

BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 17 of 30 (Start time: 02:22:34 AM, 26 December 2020)

Total Marks: 1

At what temperature does annealing of DNA and primer take place?

Select the correct option

<input checked="" type="radio"/>	54°C	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	/
<input type="radio"/>	96°C		/
<input type="radio"/>	42°C		/
<input type="radio"/>	74°C		/

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 18 of 30 (Start time: 02:22:57 AM, 26 December 2020)

Total Marks: 1

What is the function of a primer?

Select the correct option

<input checked="" type="radio"/>	To identify the particular region of DNA to be copied by PCR.	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	/
<input type="radio"/>	To copy DNA.		/
<input type="radio"/>	To create DNA nucleotides.		/
<input type="radio"/>	To maintain the temperature of the PCR reaction.		/

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

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BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 19 of 30 (Start time: 02:23:57 AM, 26 December 2020)

Total Marks: 1

For making cDNA _____ is used as a template

Select the correct option

<input type="radio"/>	DNA	
<input checked="" type="radio"/>	RNA	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
<input type="radio"/>	cDNA	
<input type="radio"/>	All given	

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 20 of 30 (Start time: 02:24:19 AM, 26 December 2020)

Total Marks: 1

A technique for making millions of copies of a specific region of DNA.

Select the correct option

<input type="radio"/>	DNA ligase	
<input type="radio"/>	Restriction enzymes	
<input type="radio"/>	Gel electrophoresis	
<input checked="" type="radio"/>	Polymerase chain reaction	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

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BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 21 of 30 (Start time: 02:24:41 AM, 26 December 2020)

Total Marks: 1

The limitations of PCR are _____

Select the correct option

- | | | |
|----------------------------------|----------------------------------|--|
| <input type="radio"/> | Contamination risk | |
| <input type="radio"/> | Primer complexities | |
| <input type="radio"/> | Primer-binding site complexities | |
| <input checked="" type="radio"/> | all of these | Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 22 of 30 (Start time: 02:25:02 AM, 26 December 2020)

Total Marks: 1

Assembly PCR is used to assemble two or more pieces of DNA into -----

Select the correct option

- | | | |
|----------------------------------|---------------|--|
| <input checked="" type="radio"/> | One piece | Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |
| <input type="radio"/> | Two pieces | |
| <input type="radio"/> | Three pieces | |
| <input type="radio"/> | None of these | |

Click to Save Answer & Move to Next Question



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BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 23 of 30 (Start time: 02:25:24 AM, 26 December 2020)

Total Marks: 1

Mini Primer PCR uses a thermostable polymerase (S-Tbr) that can extend from short primers as short as ____ nucleotides.

Select the correct option

- | | | |
|----------------------------------|-------|--|
| <input type="radio"/> | 14-15 | |
| <input type="radio"/> | 5-6 | |
| <input type="radio"/> | 7-8 | |
| <input checked="" type="radio"/> | 9-10 | Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 24 of 30 (Start time: 02:26:00 AM, 26 December 2020)

Total Marks: 1

Allele-specific PCR used for identifying of _____

Select the correct option

- | | | |
|----------------------------------|---------------------|--|
| <input checked="" type="radio"/> | SNPs | Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |
| <input type="radio"/> | Long genes | |
| <input type="radio"/> | Deletion Mutations | |
| <input type="radio"/> | Insertion Mutations | |

Click to Save Answer & Move to Next Question



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BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 25 of 30 (Start time: 02:26:36 AM, 26 December 2020)

Total Marks: 1

Melting of DNA template results in yielding _____ of DNA

Select the correct option

- | | | | |
|----------------------------------|--------------------|--|---|
| <input checked="" type="radio"/> | Single strands | Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com | / |
| <input type="radio"/> | Double strands | | / |
| <input type="radio"/> | Replicated strands | | / |
| <input type="radio"/> | All given | | / |

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 26 of 30 (Start time: 02:27:00 AM, 26 December 2020)

Total Marks: 1

Real Time PCR is used to measure the quantity of a _____

Select the correct option

- | | | | |
|----------------------------------|-------------------|--|---|
| <input type="radio"/> | RNA expression | Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com | / |
| <input checked="" type="radio"/> | PCR product | | / |
| <input type="radio"/> | DNA amplification | | / |
| <input type="radio"/> | All given | | / |

Click to Save Answer & Move to Next Question



WU Medical Zone

sec(s)

BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 27 of 30 (Start time: 02:28:07 AM, 26 December 2020)

Total Marks: 1

At what temperature does denaturation of DNA double helix takes place?

Select the correct option

<input type="radio"/>	54°C	
<input type="radio"/>	74°C	
<input checked="" type="radio"/>	94°C	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
<input type="radio"/>	60°C	

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:10 AM, 26 December 2020

Question # 28 of 30 (Start time: 02:28:29 AM, 26 December 2020)

Total Marks: 1

Binding of primers to the single stranded DNA is called _____

Select the correct option

<input type="radio"/>	Initialization	
<input type="radio"/>	Melting	
<input type="radio"/>	Binding	
<input checked="" type="radio"/>	Annealing	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



WU Medical Zone

BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:10 AM, 26 December 2020

Question # 29 of 30 (Start time: 02:28:52 AM, 26 December 2020)

Total Marks: 1

Two sets of primers instead of one pair are uses in -----

Select the correct option

<input checked="" type="radio"/>	Nested PCR	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	//
<input type="radio"/>	Traditional PCR		//
<input type="radio"/>	In-situ PCR		//
<input type="radio"/>	None of the these		//

Click to Save Answer & Move to Next Question



2:29 AM
26-Dec-20

BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:10 AM, 26 December 2020

Question # 30 of 30 (Start time: 02:29:26 AM, 26 December 2020)

Total Marks: 1

Denaturation is the process of _____.

Select the correct option

<input type="radio"/>	Heating between 72°C		//
<input type="radio"/>	Heating between 40 to 60°C		//
<input checked="" type="radio"/>	Heating between 90 to 98°C	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	//
<input type="radio"/>	None of the above		//

Click to Save Answer & Move to Next Question



2:29 AM
26-Dec-20

WU Medical Zone

00:00:00 sec(s)

BIO203:Grand Quiz

Quiz Start Time: 02:44 AM, 26 December 2020

Question # 1 of 30 (Start time: 02:44:25 AM, 26 December 2020)

Total Marks: 1

What happens during the Anneal step of PCR?

Select the correct option

- Primers are created
- The primers attach to the target DNA region
- Primers copy the new DNA strand
- Primers sequence DNA

Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



2:44 AM
26-Dec-20

00:00:00 sec(s)

BIO203:Grand Quiz

Quiz Start Time: 02:44 AM, 26 December 2020

Question # 2 of 30 (Start time: 02:45:01 AM, 26 December 2020)

Total Marks: 1

Degenerate Primers are used for the amplification of _____

Select the correct option

- Multiple genes
- Single gene
- Whole genome
- All given

Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



2:45 AM
26-Dec-20

00:00:00 sec(s)

WU Medical Zone

BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:44 AM, 26 December 2020

Question # 3 of 30 (Start time: 02:45:42 AM, 26 December 2020)

Total Marks: 1

Inverse PCR supports the amplification and identification of _____

Select the correct option

- Flanking sequences
 - Genomic inserts
 - Transposable elements
 - All given
- Answer Solved by Amaan Khan**
Contact: 0305-4716616
Email: maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Time Left
sec(s)
Quiz Start Time: 02:44 AM, 26 December 2020

Question # 4 of 30 (Start time: 02:46:55 AM, 26 December 2020)

Total Marks: 1

Two pair of enzymes are used in _____PCR

Select the correct option

- Nested
 - Multiplex
 - RT-PCR
 - Conventional
- Answer Solved by Amaan Khan**
Contact: 0305-4716616
Email: maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



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BIO203:Grand Quiz

Quiz Start Time: 02:44 AM, 26 December 2020

Question # 5 of 30 (Start time: 02:47:23 AM, 26 December 2020)

Total Marks: 1

Primers used for the process of polymerase chain reaction are _____.

Select the correct option

- | | | |
|----------------------------------|-------------------------------------|--|
| <input type="radio"/> | Single-stranded RNA oligonucleotide | |
| <input checked="" type="radio"/> | Single-stranded DNA oligonucleotide | Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |
| <input type="radio"/> | Double-stranded RNA oligonucleotide | |
| <input type="radio"/> | Double-stranded DNA oligonucleotide | |

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



BIO203:Grand Quiz

Quiz Start Time: 02:44 AM, 26 December 2020

Question # 6 of 30 (Start time: 02:48:35 AM, 26 December 2020)

Total Marks: 1

Suicide PCR is used in

Select the correct option

- | | | |
|----------------------------------|----------------|--|
| <input type="radio"/> | Cytogenetics | |
| <input type="radio"/> | Human Genetics | |
| <input checked="" type="radio"/> | Paleogenetics | Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |
| <input type="radio"/> | None of these | |

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



WU Medical Zone

BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:44 AM, 26 December 2020

Question # 7 of 30 (Start time: 02:49:03 AM, 26 December 2020)

Total Marks: 1

At what temperature does denaturation of DNA double helix takes place?

Select the correct option

- | | | |
|----------------------------------|------|--|
| <input type="radio"/> | 54°C | |
| <input type="radio"/> | 74°C | |
| <input checked="" type="radio"/> | 94°C | Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |
| <input type="radio"/> | 60°C | |

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:44 AM, 26 December 2020

Question # 8 of 30 (Start time: 02:49:18 AM, 26 December 2020)

Total Marks: 1

Why are vent polymerase and Pfu more efficient than the Taq polymerase?

Select the correct option

- | | | |
|----------------------------------|---|--|
| <input type="radio"/> | Because of proofreading activity | |
| <input type="radio"/> | Because of more efficient polymerase activity | |
| <input checked="" type="radio"/> | Both | Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |
| <input type="radio"/> | None of the above | |

Click to Save Answer & Move to Next Question



WU Medical Zone

BIO203:Grand Quiz

Quiz Start Time: 02:44 AM, 26 December 2020

Question # 9 of 30 (Start time: 02:49:37 AM, 26 December 2020)

Total Marks: 1

A heat stable enzyme called Taq Polymerase is used in Polymerase Chain Reaction (PCR) which is obtained from a bacterium -----

Select the correct option

- | | | |
|----------------------------------|---------------------------|--|
| <input type="radio"/> | Escherichia coli | |
| <input type="radio"/> | Salmonella Typhi | |
| <input checked="" type="radio"/> | Thermus aquaticus | Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |
| <input type="radio"/> | Actinobacillus capsulatus | |

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:44 AM, 26 December 2020

Question # 10 of 30 (Start time: 02:49:53 AM, 26 December 2020)

Total Marks: 1

_____ PCR is used for screening of bacterial or yeast clones for correct ligation or plasmid products.

Select the correct option

- | | | |
|----------------------------------|-----------------|--|
| <input type="radio"/> | Asymmetric PCR | |
| <input type="radio"/> | Q-PCR | |
| <input type="radio"/> | Allele-specific | |
| <input checked="" type="radio"/> | Colony PCR | Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |

Click to Save Answer & Move to Next Question



WU Medical Zone

BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:44 AM, 26 December 2020

Question # 11 of 30 (Start time: 02:50:25 AM, 26 December 2020)

Total Marks: 1

The process of reverse transcription reverse transcribes _____

Select the correct option

<input checked="" type="radio"/>	RNA into DNA	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	/
<input type="radio"/>	DNA into RNA		/
<input type="radio"/>	DNA into DNA		/
<input type="radio"/>	All given		/

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:44 AM, 26 December 2020

Question # 12 of 30 (Start time: 02:51:13 AM, 26 December 2020)

Total Marks: 1

In _____ is a polymerase chain reaction that actually takes place inside the cell on a slide

Select the correct option

<input checked="" type="radio"/>	Situ PCR (ISH)	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	/
<input type="radio"/>	Nested PCR		/
<input type="radio"/>	Colony		/
<input type="radio"/>	RT-PCR		/

Click to Save Answer & Move to Next Question



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BIO203:Grand Quiz

Quiz Start Time: 02:44 AM, 26 December 2020

Question # 13 of 30 (Start time: 02:51:30 AM, 26 December 2020)

Total Marks: 1

..... is used as a template to produce DNA in Reverse Transcriptase PCR.

Select the correct option

- DNA
- RNA
- Protein
- All of the above

Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:44 AM, 26 December 2020

Question # 14 of 30 (Start time: 02:51:52 AM, 26 December 2020)

Total Marks: 1

What happens in the Denature step of PCR?

Select the correct option

- The DNA nucleotides are broken apart.
- The base-pairing rules for DNA are reversed.
- The double-stranded DNA is separated into two single strands of DNA.
- The DNA is returned to its natural setting.

Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



WU Medical Zone

BIO203:Grand Quiz

Quiz Start Time: 02:44 AM, 26 December 2020

sec(s)

Question # 15 of 30 (Start time: 02:52:13 AM, 26 December 2020)

Total Marks: 1

To amplify one strand of the original DNA more than the other, a special type of PCR is used which is known as -----

Select the correct option

<input checked="" type="radio"/>	Asymetric PCR	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	/
<input type="radio"/>	Colony PCR		/
<input type="radio"/>	In-situ PCR		/
<input type="radio"/>	None of these		/

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:44 AM, 26 December 2020

sec(s)

Question # 16 of 30 (Start time: 02:52:43 AM, 26 December 2020)

Total Marks: 1

Inverse PCR is used for the identification and amplification of _____

Select the correct option

<input type="radio"/>	Long genes	/	
<input checked="" type="radio"/>	Flanking sequence	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	/
<input type="radio"/>	Promoter region		/
<input type="radio"/>	Whole genome		/

Click to Save Answer & Move to Next Question



WU Medical Zone

BIO203:Grand Quiz

Quiz Start Time: 02:44 AM, 26 December 2020

Question # 17 of 30 (Start time: 02:53:47 AM, 26 December 2020)

Total Marks: 1

_____ may occur due to hybridization of primers to each other

Select the correct option

- | | | | |
|----------------------------------|-----------------|--|---|
| <input checked="" type="radio"/> | Primer dimers | Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com | / |
| <input type="radio"/> | Primers complex | | / |
| <input type="radio"/> | Primers duplex | | / |
| <input type="radio"/> | All given | | / |

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:44 AM, 26 December 2020

Question # 18 of 30 (Start time: 02:54:02 AM, 26 December 2020)

Total Marks: 1

_____ determine the specificity of the PCR reaction

Select the correct option

- | | | | |
|----------------------------------|--------------|--|---|
| <input type="radio"/> | Buffer | Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com | / |
| <input type="radio"/> | DNTPs | | / |
| <input checked="" type="radio"/> | Primers | | / |
| <input type="radio"/> | DNA template | | / |

Click to Save Answer & Move to Next Question



WU Medical Zone

BIO203:Grand Quiz

sec(s) Quiz Start Time: 02:44 AM, 26 December 2020

Question # 19 of 30 (Start time: 02:54:18 AM, 26 December 2020)

Total Marks: 1

_____ refers to the study of ancient human, animal and plant remains.

Select the correct option

- Molecular Biology
 - Parasitology
 - Pathology
 - Paleontology
- Answer Solved by Amaan Khan**
Contact: 0305-4716616
Email: maniamaan2@gmail.com

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



BIO203:Grand Quiz

sec(s) Quiz Start Time: 02:44 AM, 26 December 2020

Question # 20 of 30 (Start time: 02:54:52 AM, 26 December 2020)

Total Marks: 1

_____ is a variation of PCR used to preferentially amplify one strand of the original DNA more than the other.

Select the correct option

- Asymmetric PCR
 - Conventional PCR
 - Arms PCR
 - Q-PCR
- Answer Solved by Amaan Khan**
Contact: 0305-4716616
Email: maniamaan2@gmail.com

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



WU Medical Zone

BIO203:Grand Quiz

Quiz Start Time: 02:44 AM, 26 December 2020

Question # 21 of 30 (Start time: 02:55:07 AM, 26 December 2020)

Total Marks: 1

PCR happens in 3 steps (denaturing, annealing, extending) or 1 "cycle". How many times are cycles typically repeated?

Select the correct option

<input type="radio"/>	1		
<input checked="" type="radio"/>	30	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	
<input type="radio"/>	100		
<input type="radio"/>	Over 1 billion		

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



BIO203:Grand Quiz

Quiz Start Time: 02:44 AM, 26 December 2020

Question # 22 of 30 (Start time: 02:55:41 AM, 26 December 2020)

Total Marks: 1

Mini primer PCR is used to amplify conserved DNA sequences, such as the ____gene.

Select the correct option

<input type="radio"/>	Jumping		
<input type="radio"/>	microsatellite		
<input checked="" type="radio"/>	16S rRNA	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	
<input type="radio"/>	house keeping		

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



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BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:44 AM, 26 December 2020

Question # 23 of 30 (Start time: 02:56:32 AM, 26 December 2020)

Total Marks: 1

Assembly PCR is used to assemble two or more pieces of DNA into -----

Select the correct option

<input checked="" type="radio"/>	One piece	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	/
<input type="radio"/>	Two pieces		/
<input type="radio"/>	Three pieces		/
<input type="radio"/>	None of these		/

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:44 AM, 26 December 2020

Question # 24 of 30 (Start time: 02:56:47 AM, 26 December 2020)

Total Marks: 1

AFLP is a highly sensitive PCR-based method for detecting _____ in DNA

Select the correct option

<input checked="" type="radio"/>	Polymorphisms	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	/
<input type="radio"/>	Deletion		/
<input type="radio"/>	Insertion		/
<input type="radio"/>	Duplication		/

Click to Save Answer & Move to Next Question



WU Medical Zone

BIO203:Grand Quiz

Quiz Start Time: 02:44 AM, 26 December 2020

Question # 25 of 30 (Start time: 02:57:01 AM, 26 December 2020)

Total Marks: 1

The most widely used dye in Real time PCR is -----

Select the correct option

<input type="radio"/>	Methylene blue dye	
<input checked="" type="radio"/>	Sybr green dye	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
<input type="radio"/>	Ethidium bromide dye	
<input type="radio"/>	None of these	

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



BIO203:Grand Quiz

Quiz Start Time: 02:44 AM, 26 December 2020

Question # 26 of 30 (Start time: 02:57:42 AM, 26 December 2020)

Total Marks: 1

----- PCR uses primers whose 3' ends encompass the SNP.

Select the correct option

<input type="radio"/>	Reverse Transcriptase PCR	
<input type="radio"/>	Assembly PCR	
<input type="radio"/>	Ligation mediated PCR	
<input checked="" type="radio"/>	Allele Specific PCR	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com

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



EFFORT BY AMAAN KHAN

WU Medical Zone

TIME LEFT sec(s)

BIO203:Grand Quiz

Quiz Start Time: 02:44 AM, 26 December 2020

Question # 27 of 30 (Start time: 02:58:05 AM, 26 December 2020)

Total Marks: 1

What are the base-pairing rules in DNA?

Select the correct option

<input type="radio"/>	A-C, G-T	
<input type="radio"/>	A-U, G-C	
<input checked="" type="radio"/>	A-T, G-C	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
<input type="radio"/>	A-C, G-U	

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:44 AM, 26 December 2020

Question # 28 of 30 (Start time: 02:58:24 AM, 26 December 2020)

Total Marks: 1

_____ tools have also allowed to perform prenatal genetic diagnosis

Select the correct option

<input checked="" type="radio"/>	Molecular	Answer Solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
<input type="radio"/>	Microbiology	
<input type="radio"/>	Histology	
<input type="radio"/>	Radiology	

Click to Save Answer & Move to Next Question



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BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:44 AM, 26 December 2020

Question # 29 of 30 (Start time: 02:58:38 AM, 26 December 2020)

Total Marks: 1

_____ can be also used for genotyping individuals for a large number of loci

Select the correct option

- RFLP
- AFLP
Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com
- Insitu PCR
- All given

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:44 AM, 26 December 2020

Question # 30 of 30 (Start time: 02:59:06 AM, 26 December 2020)

Total Marks: 1

A fixed cell or tissue can be amplified by _____ type of PCR

Select the correct option

- In situ
Answer Solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com
- RT-PCT
- Nested PCT
- Colony PCR

Click to Save Answer & Move to Next Question



WU Medical Zone

BIO203:Grand Quiz

Quiz Start Time: 02:52 PM, 26 December 2020

Question # 1 of 30 (Start time: 02:52:59 PM, 26 December 2020)

Total Marks: 1

A type of PCR which enables the simultaneous amplification of many targets of interests in one reaction is -----

Select the correct option

- | | | | |
|----------------------------------|---------------------|--|---|
| <input type="radio"/> | AFLP PCR | | / |
| <input checked="" type="radio"/> | Multiplex PCR | Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com | / |
| <input type="radio"/> | Allele specific PCR | | / |
| <input type="radio"/> | None of the above | | / |

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:52 PM, 26 December 2020

Question # 2 of 30 (Start time: 02:53:26 PM, 26 December 2020)

Total Marks: 1

ECOR1 is a _____ restriction enzyme

Select the correct option

- | | | | |
|----------------------------------|-------------|--|---|
| <input checked="" type="radio"/> | Hexacutter | Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com | / |
| <input type="radio"/> | Tetracutter | | / |
| <input type="radio"/> | Pentacutter | | / |
| <input type="radio"/> | Polycutter | | / |

Click to Save Answer & Move to Next Question



WU Medical Zone

BIO203:Grand Quiz

Quiz Start Time: 02:52 PM, 26 December 2020

Question # 3 of 30 (Start time: 02:53:52 PM, 26 December 2020)

Total Marks: 1

Primers can be designed __ to enable to initiate replication from a large number of target locations

Select the correct option

- | | | |
|----------------------------------|--------------------|--|
| <input type="radio"/> | cyclic-replication | |
| <input type="radio"/> | auto-replicating | |
| <input type="radio"/> | cyclic-duplicating | |
| <input checked="" type="radio"/> | degenerate | Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:52 PM, 26 December 2020

Question # 4 of 30 (Start time: 02:54:24 PM, 26 December 2020)

Total Marks: 1

In methylation specific PCR target DNA is first treated with _____

Select the correct option

- | | | |
|----------------------------------|---------------------|--|
| <input checked="" type="radio"/> | Sodium bisulfate | Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |
| <input type="radio"/> | Sodium nitrite | |
| <input type="radio"/> | Potassium bisulfate | |
| <input type="radio"/> | Calcium bisulfate | |

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

WU Medical Zone

BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:52 PM, 26 December 2020

Question # 5 of 30 (Start time: 02:54:45 PM, 26 December 2020)

Total Marks: 1

Which of the following is not a thermostable polymerase?

Select the correct option

- | | | |
|----------------------------------|--------------------|--|
| <input type="radio"/> | pfu polymerase | |
| <input type="radio"/> | Taq polymerase | |
| <input type="radio"/> | Vent polymerase | |
| <input checked="" type="radio"/> | DNA polymerase III | Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:52 PM, 26 December 2020

Question # 6 of 30 (Start time: 02:55:24 PM, 26 December 2020)

Total Marks: 1

Which of the following is an application of polymerase chain reaction?

Select the correct option

- | | | |
|----------------------------------|-----------------------------|--|
| <input checked="" type="radio"/> | Site-directed mutagenesis | Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |
| <input type="radio"/> | Site-specific recombination | |
| <input type="radio"/> | Site-specific translocation | |
| <input type="radio"/> | All of the above | |

Click to Save Answer & Move to Next Question



WU Medical Zone

BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:52 PM, 26 December 2020

Question # 7 of 30 (Start time: 02:56:09 PM, 26 December 2020)

Total Marks: 1

If the primer sequence is TCG, what section of DNA will it anneal?

Select the correct option

<input checked="" type="radio"/>	AGC	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	//
<input type="radio"/>	CAT		//
<input type="radio"/>	GAC		//
<input type="radio"/>	ATC		//

Click to Save Answer & Move to Next Question



2:56 PM
26-Dec-20

BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:52 PM, 26 December 2020

Question # 8 of 30 (Start time: 02:56:32 PM, 26 December 2020)

Total Marks: 1

What is the function of a primer?

Select the correct option

<input checked="" type="radio"/>	To identify the particular region of DNA to be copied by PCR.	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	//
<input type="radio"/>	To copy DNA.		//
<input type="radio"/>	To create DNA nucleotides.		//
<input type="radio"/>	To maintain the temperature of the PCR reaction.		//

Click to Save Answer & Move to Next Question



2:56 PM
26-Dec-20

EFFORT BY AMAAN KHAN

WU Medical Zone

BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:52 PM, 26 December 2020

Question # 9 of 30 (Start time: 02:56:47 PM, 26 December 2020)

Total Marks: 1

Allele-specific PCR uses primers whose ___ encompass the SNP

Select the correct option

<input checked="" type="radio"/>	3' ends	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	/
<input type="radio"/>	5' ends		/
<input type="radio"/>	Promoter region		/
<input type="radio"/>	None		/

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

2:57 PM
26-Dec-20
sec(s)
Quiz Start Time: 02:52 PM, 26 December 2020

Question # 10 of 30 (Start time: 02:57:01 PM, 26 December 2020)

Total Marks: 1

Allele-specific PCR used for identifying of _____

Select the correct option

<input checked="" type="radio"/>	SNPs	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	/
<input type="radio"/>	Long genes		/
<input type="radio"/>	Deletion Mutations		/
<input type="radio"/>	Insertion Mutations		/

Click to Save Answer & Move to Next Question



WU Medical Zone

BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:52 PM, 26 December 2020

Question # 11 of 30 (Start time: 02:57:15 PM, 26 December 2020)

Total Marks: 1

What would be the effect on the PCR reaction if any of the following circumstances arose:

- 1) there are no primers in the reaction,
- 2) there are no dNTPs in the reaction,
- 3) there is no Taq polymerase in the reaction?

Select the correct option

<input type="radio"/>	PCR would proceed normally	/
<input type="radio"/>	Non-specific PCR of random templates will occur	/
<input type="radio"/>	The reaction will cease after a few cycles	/
<input checked="" type="radio"/>	The PCR reaction will not commence	/

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:52 PM, 26 December 2020

Question # 12 of 30 (Start time: 02:57:37 PM, 26 December 2020)

Total Marks: 1

In mini PCR a primer of length _____ nucleotides is used

Select the correct option

<input type="radio"/>	1----5	/
<input type="radio"/>	6----7	/
<input checked="" type="radio"/>	9----10	/
<input type="radio"/>	15----20	/

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



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BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:52 PM, 26 December 2020

Question # 13 of 30 (Start time: 02:58:10 PM, 26 December 2020)

Total Marks: 1

Degenerate Primers are used for the amplification of _____

Select the correct option

- | | | |
|----------------------------------|----------------|--|
| <input type="radio"/> | Multiple genes | |
| <input type="radio"/> | Single gene | |
| <input checked="" type="radio"/> | Whole genome | Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |
| <input type="radio"/> | All given | |

Click to Save Answer & Move to Next Question



2:58 PM
26-Dec-20
sec(s)

BIO203:Grand Quiz

Quiz Start Time: 02:52 PM, 26 December 2020

Question # 14 of 30 (Start time: 02:58:26 PM, 26 December 2020)

Total Marks: 1

What type of bonds hold the two strands of DNA together?

Select the correct option

- | | | |
|----------------------------------|---------------------|--|
| <input checked="" type="radio"/> | Hydrogen bonds | Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |
| <input type="radio"/> | Covalent bonds | |
| <input type="radio"/> | Dipole-Dipole bonds | |
| <input type="radio"/> | Ionic bonds | |

Click to Save Answer & Move to Next Question



2:58 PM
26-Dec-20

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BIO203:Grand Quiz

Quiz Start Time: 02:52 PM, 26 December 2020

Question # 15 of 30 (Start time: 02:58:42 PM, 26 December 2020)

Total Marks: 1

From where does Taq polymerase come?

Select the correct option

- | | | | |
|----------------------------------|---|--|---|
| <input checked="" type="radio"/> | Bacteria that live in hydrothermal vents/hot springs. | Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com | / |
| <input type="radio"/> | Cambodia | | / |
| <input type="radio"/> | The rain forest | | / |
| <input type="radio"/> | The CDC | | / |

Click to Save Answer & Move to Next Question



2:58 PM
26-Dec-20

BIO203:Grand Quiz

Quiz Start Time: 02:52 PM, 26 December 2020

Question # 16 of 30 (Start time: 02:58:57 PM, 26 December 2020)

Total Marks: 1

Non genomic material such as RNA can be detected by _____

Select the correct option

- | | | | |
|----------------------------------|-------------------|--|---|
| <input checked="" type="radio"/> | In situ PCR | Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com | / |
| <input type="radio"/> | Conventional PCR | | / |
| <input type="radio"/> | Western blotting | | / |
| <input type="radio"/> | Spectrophotometer | | / |

Click to Save Answer & Move to Next Question



2:59 PM
26-Dec-20

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BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:52 PM, 26 December 2020

Question # 17 of 30 (Start time: 02:59:13 PM, 26 December 2020)

Total Marks: 1

The type of PCR used for the screening of bacterial or yeast clones for correct ligation or plasmid products is

Select the correct option

<input type="radio"/>	In situ PCR	
<input checked="" type="radio"/>	Colony PCR	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
<input type="radio"/>	Multiplex PCR	
<input type="radio"/>	Mini primer PCR	

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:52 PM, 26 December 2020

Question # 18 of 30 (Start time: 02:59:43 PM, 26 December 2020)

Total Marks: 1

AFLP is a highly sensitive PCR-based method for detecting _____ in DNA

Select the correct option

<input checked="" type="radio"/>	Polymorphisms	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
<input type="radio"/>	Deletion	
<input type="radio"/>	Insertion	
<input type="radio"/>	Duplication	

Click to Save Answer & Move to Next Question



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BIO203:Grand Quiz

Quiz Start Time: 02:52 PM, 26 December 2020

Question # 19 of 30 (Start time: 02:59:56 PM, 26 December 2020)

Total Marks: 1

Which one of the following is not the application of PCR?

Select the correct option

- | | | |
|----------------------------------|---------------------------------|---|
| <input type="radio"/> | Bacterial and fungal infections | / |
| <input type="radio"/> | Diagnosis of latent viruses | / |
| <input type="radio"/> | DNA finger printing | / |
| <input checked="" type="radio"/> | Protein expression | / |
- Answer solved by Amaan Khan**
Contact: 0305-4716616
Email: maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:52 PM, 26 December 2020

Question # 20 of 30 (Start time: 03:00:58 PM, 26 December 2020)

Total Marks: 1

Which of the following statements is accurate for the PCR - polymerase chain reaction?

Select the correct option

- | | | |
|----------------------------------|--|---|
| <input type="radio"/> | Automated PCR machines are called thermal cyclers | / |
| <input type="radio"/> | A thermostable DNA polymerase is required | / |
| <input type="radio"/> | Millions to billions of desired DNA copies can be produced from microgram quantities of DNA. | / |
| <input checked="" type="radio"/> | All of the above | / |
- Answer solved by Amaan Khan**
Contact: 0305-4716616
Email: maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



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BIO203:Grand Quiz

Quiz Start Time: 02:52 PM, 26 December 2020

Question # 21 of 30 (Start time: 03:01:18 PM, 26 December 2020)

Total Marks: 1

The process of reverse transcription reverse transcribes _____

Select the correct option

<input checked="" type="radio"/>	RNA into DNA	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	/
<input type="radio"/>	DNA into RNA		/
<input type="radio"/>	DNA into DNA		/
<input type="radio"/>	All given		/

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:52 PM, 26 December 2020

Question # 22 of 30 (Start time: 03:01:32 PM, 26 December 2020)

Total Marks: 1

What is the process of binding of primer to the denatured strand called?

Select the correct option

<input checked="" type="radio"/>	Annealing	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	/
<input type="radio"/>	Renaturation		/
<input type="radio"/>	Denaturation		/
<input type="radio"/>	Extension		/

Click to Save Answer & Move to Next Question



WU Medical Zone

BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:52 PM, 26 December 2020

Question # 23 of 30 (Start time: 03:01:49 PM, 26 December 2020)

Total Marks: 1

PCR technique is not applied for _____.

Select the correct option

<input checked="" type="radio"/>	Bioinformatics	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	/
<input type="radio"/>	Site directed mutagenesis		/
<input type="radio"/>	Viral load detection		/
<input type="radio"/>	None of these		/

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

3:02 PM
26-Dec-20
sec(s)
Quiz Start Time: 02:52 PM, 26 December 2020

Question # 24 of 30 (Start time: 03:02:03 PM, 26 December 2020)

Total Marks: 1

Prenatal genetic diagnosis is not important for identification of _____.

Select the correct option

<input type="radio"/>	Chromosomal abnormality		/
<input checked="" type="radio"/>	inherited mutation	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	/
<input type="radio"/>	Familial disorder		/
<input type="radio"/>	Infectious diseases		/

Click to Save Answer & Move to Next Question



3:02 PM
26-Dec-20

EFFORT BY AMAAN KHAN

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BIO203:Grand Quiz

Quiz Start Time: 02:52 PM, 26 December 2020

Question # 25 of 30 (Start time: 03:02:48 PM, 26 December 2020)

Total Marks: 1

_____ tools have also allowed to perform prenatal genetic diagnosis

Select the correct option

<input checked="" type="radio"/>	Molecular	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	//
<input type="radio"/>	Microbiology		//
<input type="radio"/>	Histology		//
<input type="radio"/>	Radiology		//

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:52 PM, 26 December 2020

Question # 26 of 30 (Start time: 03:03:02 PM, 26 December 2020)

Total Marks: 1

Genomic fingerprinting is a ___ medicine technique used to identify individuals by characteristics of their DNA

Select the correct option

<input type="radio"/>	Alternative		//
<input type="radio"/>	Toxicology		//
<input type="radio"/>	Regenerative		//
<input checked="" type="radio"/>	Forensic	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com	//

Click to Save Answer & Move to Next Question



WU Medical Zone

BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:52 PM, 26 December 2020

Question # 27 of 30 (Start time: 03:03:26 PM, 26 December 2020)

Total Marks: 1

Which of the following belongs to PCR?

Select the correct option

- | | | | |
|----------------------------------|-------------------------|--|---|
| <input type="radio"/> | Detection of Mutations | / | |
| <input type="radio"/> | Track DNA abnormalities | / | |
| <input type="radio"/> | Prenatal diagnosis | / | |
| <input checked="" type="radio"/> | All given | Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com | / |

Click to Save Answer & Move to Next Question



BIO203:Grand Quiz

Quiz Start Time: 02:52 PM, 26 December 2020

Question # 28 of 30 (Start time: 03:03:43 PM, 26 December 2020)

Total Marks: 1

A fixed cell or tissue can be amplified by _____ type of PCR

Select the correct option

- | | | | |
|----------------------------------|------------|--|---|
| <input checked="" type="radio"/> | In situ | Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com | / |
| <input type="radio"/> | RT-PCT | / | |
| <input type="radio"/> | Nested PCT | / | |
| <input type="radio"/> | Colony PCR | / | |

Click to Save Answer & Move to Next Question



WU Medical Zone

BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:52 PM, 26 December 2020

Question # 29 of 30 (Start time: 03:04:12 PM, 26 December 2020)

Total Marks: 1

Assembly PCR is used to assemble two or more pieces of DNA into -----

Select the correct option

- | | | | |
|----------------------------------|---------------|--|----|
| <input checked="" type="radio"/> | One piece | Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com | // |
| <input type="radio"/> | Two pieces | | // |
| <input type="radio"/> | Three pieces | | // |
| <input type="radio"/> | None of these | | // |

Click to Save Answer & Move to Next Question



3:04 PM
26-Dec-20

BIO203:Grand Quiz

sec(s)
Quiz Start Time: 02:52 PM, 26 December 2020

Question # 30 of 30 (Start time: 03:04:25 PM, 26 December 2020)

Total Marks: 1

A technique for making millions of copies of a specific region of DNA.

Select the correct option

- | | | | |
|----------------------------------|---------------------------|--|----|
| <input type="radio"/> | DNA ligase | | // |
| <input type="radio"/> | Restriction enzymes | | // |
| <input type="radio"/> | Gel electrophoresis | | // |
| <input checked="" type="radio"/> | Polymerase chain reaction | Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com | // |

Click to Save Answer & Move to Next Question



3:04 PM
26-Dec-20

EFFORT BY AMAAN KHAN

BIO 203-Midterm

M.C.Q

1. _____ an enzyme derived from the bacterium *Thermus aquaticus*. **Taq polymerase**
2. PCR can be performed to amplify _____ **DNA.**
3. The denaturation temperature ranges from _____ **93°C - 98°C**
4. During extension the most common temperature is _____ **72°C**
5. Which step the DNA polymerase synthesizes a new DNA strand complementary to the DNA template strand by adding dNTP's? **Extension**
6. The thermocycler works on the principle of _____ which raises and lowers the temperature of the block in a pre-programmed manner. **Peltier effect**
7. Primers are single stranded _____ bp long DNA fragments. **18-30**
8. Which one of the following determine the specificity of the PCR reaction? **Primer**
9. FORMULA FOR CALCULATING MELTING TEMPERATURE OF PRIMERS. **$T_m = 4(G+C) + 2(A+T)$**
10. The extension rate of Taq polymerase _____ **75 nt/sec**
11. Which one of the following is good or perfectly matched primers between 19-24 nt? **94-55-72**
12. Misprimers may occur due to non-specific _____ of primers. **Hybridization**
13. Controls for contamination contains all reagents except DNA template is called _____ **Blank reaction**
14. Two pairs (instead of one pair) of PCR primers are used to amplify a fragment _____ **NESTED PCR**
15. Which type of PCR has Very low probability of nonspecific amplification? **NESTED PCR**
16. _____ is a variant of PCR which enables simultaneous amplification of many targets of interest in one reaction by using more than one pair of primers. **Multiplex PCR**
17. Which temperatures for each of the primer sets must be optimized to work correctly within a single reaction? **Annealing**
18. Amplicon sizes should be different enough to form distinct bands when visualized by _____ **gel electrophoresis**
19. The enzyme used to convert RNA into cDNA _____ **Reverse transcriptase**
20. Which types of PCR is widely used in expression profiling, to determine the expression of a gene? **RT-PCR**

21. _____ is used to measure the quantity of a PCR product. **Real Time PCR**
22. Which is a technique that reduces nonspecific amplification during the initial set up stages of the PCR? **Hot start PCR**
23. Allele-specific PCR used for identifying of _____ **SNPs**
24. In Situ PCR (ISH) is a polymerase chain reaction that actually takes place inside the **cell** on a slide.
25. Flanking DNA sequences are digested and then ligated to generate _____ **Circular DNA**
26. A method used to allow PCR when only one internal sequence is known _____ **Inverse PCR**
27. AFLP stands for _____ **Amplified Fragment Length Polymorphism**
28. _____ is a highly sensitive PCR-based method for detecting, polymorphisms in DNA. **AFLP**
29. _____ is a group of procedures that allow amplification to occur at many locations in a genome. **Whole genome amplification**
30. In Mini Primer PCR the thermostable enzyme extend primer consist _____ nucleotides. **9 or 10**
31. PCR has been used in gene cloning and screening of _____ **Genomic libraries**
32. _____ is the application of scientific procedures to solve criminal and legal matters. **Forensic Science**
33. _____ is a forensic technique used to identify individuals by characteristics of their DNA. **DNA profiling or DNA fingerprinting**