

Question # 1 of 10 (Start time: 11:42:35 PM, 20 August 2020)

Total Marks: 1

The disadvantages of virus-mediated transgenic technique are the possible interference of viral regulatory elements with the expression of genes and the susceptibility of virus to de novo _____ resulting in silencing of the genes.

Select the correct option

☐	Acetylation	
☒	Methylation	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Phosphorylation	
☐	All of the given	

Click to Save Answer & Move to Next Question



Question # 2 of 10 (Start time: 11:43:28 PM, 20 August 2020)

Total Marks: 1

The _____ identified as leukocytes, are different from other cells of the body because they are normally associated with a particular organ. It has been reported that leukocytes are able to move freely in the body and network with cellular debris, for-foreign particles, and invading pathogenic microorganisms.

Select the correct option

☒	White blood cells (WBCs)	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Red blood cells (RBCs)	
☐	Platelets	
☐	Lymphocytes	

Click to Save Answer & Move to Next Question



Question # 3 of 10 (Start time: 11:44:39 PM, 20 August 2020)

Total Marks: 1

Which type of T-cells that are not attached to MHC receptors?

Select the correct option

☐	Killer T cells	
☒	Helper T cells	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Cytotoxic T cells	
☐	Gamma-delta T cells	



Click to Save Answer & Move to Next Question



Question # 5 of 10 (Start time: 11:48:17 PM, 20 August 2020)

Total Marks: 1

A padlock probe is an oligonucleotide that is not complementary to a target sequence at its _____

Select the correct option

☐	3' end	
☐	5' end	
☒	3' end and 5' end	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	middle region	



Click to Save Answer & Move to Next Question



Question # 6 of 10 (Start time: 11:49:25 PM, 20 August 2020)

Total Marks: 1

The cells from sheep can be used in human is example of _____

Select the correct option

☐	Autogeneic cells transplantation	
☐	Allogeneic cells transplantation	
☐	Isogeneic cells transplantation	
☒	Xenogeneic cells transplantation	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com

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Question # 7 of 10 (Start time: 11:50:08 PM, 20 August 2020)

Total Marks: 1

In recent years, methods to transplant just a part of a _____ have succeeded because it can repair and regenerate itself.

Select the correct option

☐	Kidney	
☒	Liver	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Heart	
☐	Lungs	

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

Question # 8 of 10 (Start time: 11:51:25 PM, 20 August 2020)

Total Marks: 1

The oligonucleotide ligation assay (OLA) is also commonly used to detect _____ known to be associated with human diseases with a high degree of accuracy.

Select the correct option

☐	Antigen	//
☐	Protein	//
☐	Gene	//
☒	SNPs	//

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

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Question # 9 of 10 (Start time: 11:52:20 PM, 20 August 2020)

Total Marks: 1

The recognition of this MHC-antigen complex is aided by a coreceptor localized on the killer T cell, which is also called _____. It has been suggested that T cells travel throughout the body in hunt of cells where the _____ receptors contain this antigen.

Select the correct option

☐	CD-4, MHC-I	//
☒	CD-8, MHC-I	//
☐	CD-8, MHC-II	//
☐	CD-4, MHC-II	//

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

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Question # 1 of 10 (Start time: 12:02:41 AM, 21 August 2020)

Total Marks: 1

The condition in which immunity works against itself and destroys the person's immune system called _____

Select the correct option

- | | | |
|----------------------------------|--------------------|--|
| ☒ | Autoimmunity | Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |
| ☐ | Hypersensitivities | |
| ☐ | Immunodeficiency | |
| ☐ | All of the given | |

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Question # 2 of 10 (Start time: 12:03:45 AM, 21 August 2020)

Total Marks: 1

Human mesenchymal stem cells (MSCs) for autologous transplantation can be easily and quickly isolated from a _____ source.

Select the correct option

- | | | |
|----------------------------------|-------------|--|
| ☐ | Bone marrow | |
| ☐ | Nerve cells | |
| ☐ | Embryo | |
| ☒ | Fat | Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |

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Question # 3 of 10 (Start time: 12:05:09 AM, 21 August 2020)

Total Marks: 1

It has been suggested that _____ are very vital in antigen performance and assist as a link between the innate and adaptive immune defense system

Select the correct option

☒	Leukocytes	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Eosinophils	
☐	Neutrophils	
☐	Dendritic cells	



Click to Save Answer & Move to Next Question



Question # 4 of 10 (Start time: 12:06:47 AM, 21 August 2020)

Total Marks: 1

The oligonucleotide ligation assay (OLA) is also commonly used to detect _____ known to be associated with human diseases with a high degree of accuracy.

Select the correct option

☐	Antigen	
☐	Protein	
☐	Gene	
☒	SNPs	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com

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Question # 5 of 10 (Start time: 12:07:06 AM, 21 August 2020)

Total Marks: 1

The immune system is comprised of several types of _____ that mediate resistance to infection and accompanying infectious disease.

Select the correct option

☒	Cells	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Tissues	
☐	Molecules	
☐	All of the given	



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BC170406613: AMAAN ASLAM

Time Left 51 sec(s)

BT501:ONLINE Quiz # 01

Quiz Start Time: 12:02 AM, 21 August 2020

Question # 6 of 10 (Start time: 12:08:49 AM, 21 August 2020)

Total Marks: 1

Which of the following is not a function of macrophages?

Select the correct option

☐	Phagocytosis of foreign materials	
☐	Stimulation of the immune system	
☒	Synthesis and secretion of proteins	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Pinocytosis of foreign materials	

Click to Save Answer & Move to Next Question

12:09 AM
21-Aug-20**EFFORT BY AMAAN KHAN**

Question # 7 of 10 (Start time: 12:09:46 AM, 21 August 2020)

Total Marks: 1

Reported gene _____ produces blue product when it acts on its substrate, and thus cells appear blue. It is helpful for screening, detection, and identification of the transgene containing host cell.

Select the correct option

☒	β -glucuronidase gene (GUS)	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Green fluorescent protein(GFP)	
☐	Luciferase gene	
☐	All of the given	

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Question # 8 of 10 (Start time: 12:10:56 AM, 21 August 2020)

Total Marks: 1

The enhanced response against pathogens is then remem-bered in the form of an immunological memory after the pathogen has been removed, and allows the _____ to withstand faster and stronger attacks each time this pathogen is detected

Select the correct option

☒	Adaptive immune system	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Innate immune system	
☐	Cell-mediated immune system	
☐	All of the given	


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


Question # 9 of 10 (Start time: 12:12:31 AM, 21 August 2020)

Total Marks: 1

The antigenic transport at the intestinal epithelium is performed by

Select the correct option

☐	B cells	
☐	T cells	
☒	M Cells	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	NK cells	



Click to Save Answer & Move to Next Question

Windows taskbar showing icons for Internet Explorer, VLC, File Explorer, Firefox, Adobe Reader, and Google Chrome. System tray shows date and time: 12:14 AM, 21-Aug-20.

BC170404600: SHAHBAZ ALI

Time Left 58 sec(s)

BT501:ONLINE Quiz # 01

Quiz Start Time: 12:31 AM, 21 August 2020

Question # 1 of 10 (Start time: 12:31:58 AM, 21 August 2020)

Total Marks: 1

_____ are the products of hematopoietic stem cells present in the bone marrow.

Select the correct option

☒	Leukocytes	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Red blood cells (RBCs)	
☐	Antibodies	
☐	Platelets	

Click to Save Answer & Move to Next Question

Windows taskbar showing icons for Internet Explorer, VLC, File Explorer, Firefox, Adobe Reader, and Google Chrome. System tray shows date and time: 12:32 AM, 21-Aug-20.

EFFORT BY AMAAN KHAN

Question # 2 of 10 (Start time: 12:32:54 AM, 21 August 2020)

Total Marks: 1

In real time PCR, the template amount _____, the cycle number or Ct Value at which significant amplification is seen _____

Select the correct option

☐	Decreases, Increases	
☐	Decreases, Decreases	
☐	Increases, Increases	
☒	All of the given	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com

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

Question # 3 of 10 (Start time: 12:34:21 AM, 21 August 2020)

Total Marks: 1

The amplification of specific alleles, or DNA sequence variants, at the same locus by polymerase chain reaction is called.....

Select the correct option

☒	Allele Specific PCR	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	PCR	
☐	Nested PCR	
☐	All of the given	

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

Question # 4 of 10 (Start time: 12:35:36 AM, 21 August 2020)

Total Marks: 1

The antigenic transport at the intestinal epithelium is performed by

Select the correct option

☐	B cells	
☐	T cells	
☒	M Cells	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	NK cells	

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

Question # 5 of 10 (Start time: 12:35:49 AM, 21 August 2020)

Total Marks: 1

The concept of sperm-mediated transgenesis rested for 18 years until scientists reported the use of spermatozoa as _____ to produce transgenic mice.

Select the correct option

☒	DNA carriers	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	RNA carriers	
☐	Protein carriers	
☐	Enzyme carriers	

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

Question # 6 of 10 (Start time: 12:36:27 AM, 21 August 2020)

Total Marks: 1

In the human body, _____ are basically innate immune cells that reside in the connective tissue and in the mucous membranes, and these cells are closely associated with defense against pathogens and wound healing.

Select the correct option

☒	Mast cells	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Red blood cells (RBCs)	
☐	White blood cells (WBCs)	
☐	Lymphocytes	

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

Question # 7 of 10 (Start time: 12:38:10 AM, 21 August 2020)

Total Marks: 1

Which sequencing method was used by Life Technologies Company in ABI SoLiD and SoLiD4 Platforms?

Select the correct option

☐	Pyrosequencing	
☐	Reversible dye terminators	
☒	Sequencing by ligation	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Sequencing by synthesis	

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

Question # 8 of 10 (Start time: 12:39:40 AM, 21 August 2020)

Total Marks: 1

Human mesenchymal stem cells (MSCs) for autologous transplantation can be easily and quickly isolated from a _____ source.

Select the correct option

- ☐ Bone marrow
- ☐ Nerve cells
- ☐ Embryo
- ☒ Fat

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

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Question # 9 of 10 (Start time: 12:39:58 AM, 21 August 2020)

Total Marks: 1

A few shortcomings or disadvantages in the autologous cell transplantation as _____

Select the correct option

- ☒ The availability of required cells to be transplanted are found in very low in numbers
- ☐ The genetic disease-suitable autologous cells are not available
- ☐ The older patients do not have sufficient numbers of autologous cells to be used for cell transplantation
- ☐ All of the given

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

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Question # 1 of 10 (Start time: 12:45:21 AM, 21 August 2020)

Total Marks: 1

A method to identify a specific oligonucleotide sequence without use of radiochemicals, electrophoresis or centrifugation is called.....

Select the correct option

☒	ELISA	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Oligonucleotide ligation assay	
☐	PCR	
☐	Gel Electrophoresis	



Click to Save Answer & Move to Next Question



Question # 2 of 10 (Start time: 12:46:58 AM, 21 August 2020)

Total Marks: 1

It has been described that phagocytes generally patrol the human body searching for pathogens, and are also able to respond to molecular signals produced by other cells, which are called.....

Select the correct option

☐	Histamine	
☐	Lysosome	
☐	Heparin	
☒	Cytokines	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com



Click to Save Answer & Move to Next Question



Question # 3 of 10 (Start time: 12:48:23 AM, 21 August 2020)

Total Marks: 1

During sequencing by ligation technology, the nucleotide in each position in the template DNA is identified _____ in separate reactions, which increases the accuracy of the sequence determination.

Select the correct option

☐	Once	
☐	Twice	
☐	Thrice	
☒	Eight times	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com

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Question # 4 of 10 (Start time: 12:49:57 AM, 21 August 2020)

Total Marks: 1

Which sequencing method uses the short oligonucleotides instead of a single base?

Select the correct option

☐	Maxam and Gilbert DNA sequencing	
☐	Pyrosequencing	
☒	Sequencing by Ligation	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Sequencing by Synthesis	

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Question # 5 of 10 (Start time: 12:51:02 AM, 21 August 2020)

Total Marks: 1

An allele-specific oligonucleotide (ASO) is a short _____ molecule, usually 15-21 nucleotides, or bases, in length.

Select the correct option

☐	ssRNA	
☐	ssDNA	
☐	dsRNA	
☒	dsDNA	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com



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Question # 6 of 10 (Start time: 12:52:48 AM, 21 August 2020)

Total Marks: 1

In recent years, methods to transplant just a part of a _____ have succeeded because it can repair and regenerate itself.

Select the correct option

☐	Kidney	
☒	Liver	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Heart	
☐	Lungs	

Click to Save Answer & Move to Next Question



Question # 7 of 10 (Start time: 12:53:08 AM, 21 August 2020)

Total Marks: 1

_____ is the defining feature of the dideoxynucleotide DNA sequencing method.

Select the correct option

- | | | |
|----------------------------------|------------------------------------|--|
| ☒ | The termination of DNA synthesis | Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |
| ☐ | The chemical modification of DNA | |
| ☐ | A short DNA adaptor | |
| ☐ | 3' - 5' phosphodiester bond of DNA | |



Click to Save Answer & Move to Next Question

12:54 AM
21-Aug-20

Question # 8 of 10 (Start time: 12:54:30 AM, 21 August 2020)

Total Marks: 1

Because of the presence of granules in their cytoplasm, _____ are known as granulocytes

Select the correct option

- | | | |
|----------------------------------|------------------|--|
| ☐ | Neutrophils | Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |
| ☐ | Eosinophils | |
| ☐ | Basophils | |
| ☒ | All of the given | |

Click to Save Answer & Move to Next Question

12:55 AM
21-Aug-20

Question # 9 of 10 (Start time: 12:55:22 AM, 21 August 2020)

Total Marks: 1

After applying _____ method, the embryos with the transgene are cultured in vitro up to the morula stage and then transferred to pseudopregnant foster mothers.

Select the correct option

☒	Microinjection	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Embryonic stem cell -mediated transfer	
☐	Retrovirus mediated gene transfer	
☐	All of the given	

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Question # 10 of 10 (Start time: 12:56:32 AM, 21 August 2020)

Total Marks: 1

Human mesenchymal stem cells (MSCs) for autologous transplantation can be easily and quickly isolated from a _____ source.

Select the correct option

☐	Bone marrow	
☐	Nerve cells	
☐	Embryo	
☒	Fat	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com

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