

Question # 1 of 10 (Start time: 07:05:58 AM, 30 January 2019)

Total Marks: 1

Mutations of major cancer predisposition genes account for of cases of breast cancer and have an estimated overall prevalence of 1 in 300 to 1 in 800. Two of these genes are BRCA1 and BRCA2.

Select the correct option

☒	3% to 10%	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	5% to 15%	
☐	7% to 18%	
☐	none of the above	

BT501:QUIZ NO. 3

Question # 2 of 10 (Start time: 07:07:16 AM, 30 January 2019)

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

▶ Select the correct option

☐	RNA	
☒	DNA	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	snRNA	
☐	None of the Above	

Question # 3 of 10 (Start time: 07:08:43 AM, 30 January 2019)

.....is an autosomal recessive disorder of hemoglobin in which the β subunit genes have a missense mutation that substitutes valine for glutamic acid at amino acid.

Select the correct option

☐	Hemophilia
☒	Sickle Cell Anemia
☐	Cystic Fibrosis
☐	None of the above

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

Question # 4 of 10 (Start time: 07:09:38 AM, 30 January 2019)

Cystic fibrosis is an autosomal recessive disorder of epithelial ion transport caused by mutations in ...

Select the correct option

☒	CFTR gene	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	BRCA1	
☐	BRCA2	
☐	GABA	

Question # 5 of 10 (Start time: 07:11:04 AM, 30 January 2019)

is X-linked disorders of coagulation caused by mutations in the F8 genes.

Select the correct option

☒	Hemophilia	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	cystic fibrosis	
☐	sickle cell anemia	
☐	none of the above	

Question # 6 of 10 (Start time: 07:14:46 AM, 30 January 2019)

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

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 above	

BT501:QUIZ NO. 3

Question # 7 of 10 (Start time: 07:15:59 AM, 30 January 2019)

is a group of diseases characterized by high levels of blood glucose resulting from defects in insulin production, insulin action, or both.

Select the correct option

☒	Diabetes mellitus	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Thalasemia	
☐	Hemophelia	
☐	None of the Above	

Question # 8 of 10 (Start time: 07:16:37 AM, 30 January 2019)

...is a panethnic autosomal recessive disorder of ganglioside catabolism that is caused by a deficiency of hexosaminidase A.

Select the correct option

☒	Tay-Sachs disease	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Hemophilia	
☐	Sickle cell anemia	
☐	cystic fibrosis	

BT501:QUIZ NO. 3

Question # 9 of 10 (Start time: 07:17:53 AM, 30 January 2019)

A molecular tool is well-suited for the rapid detection of bacteria directly in clinical specimens, allowing early, sensitive and specific laboratory confirmation of related diseases

Select the correct option

☐	Real Time PCR	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☒	Real time PCR for Infectious Diseases	
☐	ELISA	
☐	None of the above	

Question # 10 of 10 (Start time: 07:19:16 AM, 30 January 2019)

is an X-linked mental retardation disorder that is caused by mutations in the FMR1 gene on Xq27.3

Select the correct option

☒	Fragile X syndrome	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Cystic Fibrosis	
☐	Alzheimer	
☐	Down syndrome	

Question # 1 of 10 (Start time: 03:08:06 PM, 10 December 2018)

Vaccines are classified into prophylactic and therapeutic based on..

Select the correct option

☐	Characteristics	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☒	Application	
☐	Both (1) and (2)	
☐	None of the above	

BT501:QUIZ NO. 1

Question # 2 of 10 (**Start time: 03:09:37 PM, 10 December 2018**)

Proteins by the immune system to target specific foreign object

Select the correct option

☒	Antibodies	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Antigen	
☐	Natural Killer cell	
☐	Monoclonal antibodies	

BT501:QUIZ NO. 1

Question # 3 of 10 (**Start time: 03:10:34 PM, 10 December 2018**)

Human Genome Project was proposed in

Select the correct option

☐	1998	
☒	1985	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	2001	
☐	2003	

Question # 4 of 10 (Start time: 03:11:19 PM, 10 December 2018)

First vaccine was discovered by

Select the correct option

☒	Edward Jenner	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Alexander Fleming	
☐	Watson	
☐	Crick	

Question # 5 of 10 (**Start time: 03:12:38 PM, 10 December 2018**)

Classical biotech starts from

Select the correct option

☒	Since Age	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	From Mendel's work	
☐	With discovery of DNA	
☐	All of the above	

Question # 6 of 10 (Start time: 03:13:20 PM, 10 December 2018)

creation of an artificial lipid sphere with an aqueous core. This carries the therapeutic DNA, is capable of passing the DNA through the target cell's membrane.

Select the correct option

☐	Transposon
☒	Liposomes
☐	Centrosome
☐	None of the Above

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

Question # 7 of 10 (Start time: 03:14:06 PM, 10 December 2018)

..... Collection of miniaturized test sites (microarrays) arranged on a solid substrate.

Select the correct option

☒	Biochip	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	DNA Chip	
☐	Transponder	
☐	None of the above	

Question # 8 of 10 (Start time: 03:14:52 PM, 10 December 2018)

There are various types of adult stem cells includes

Select the correct option

☐	Embryonic Stem Cells
☐	Fetal Stem Cells
☐	Infant Adult Umbilical Cord Blood Stem Cells
☒	All of the above

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

BT501:QUIZ NO. 1

Question # 9 of 10 (**Start time: 03:15:54 PM, 10 December 2018**)

RNAi components also involved in...

Select the correct option

☐	Transposon silencing
☐	Viral defense
☐	Gene regulation
☒	All of the above

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

Question # 1 of 10 (Starttime: 04:35:13 PM, 12 December 2019)

Total Marks: 1

Discovery of first antibiotic by a scotish Scientist Alexender Fleming in.....

Select the correct option

☐	1927
☐	1953
☐	1956
☒	1928

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

Click to Save Answer & Move to Next Question

Question # 2 of 10 (Start time: 04:36:23 PM, 12 December 2019)

Total Marks: 1

Vaccines are classified into prophylactic and therapeutic based on..

Select the correct option

☐	Characteristics
☒	Application
☐	Both (1) and (2)
☐	None of the above

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: 04:37:24 PM, 12 December 2019)

Total Marks: 1

RNAi components also involved in...

Select the correct option

☐

Transposon silencing

☐

Viral defense

☐

Gene regulation

☒

All of the above

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



Click to Save Answer & Move to Next Question

Question # 4 of 10 (Start time: 04:39:12 PM, 12 December 2019)

Total Marks: 1

Embryonic stem cells (ES cells) are _____ stem cells

Select the correct option

☐

Unipotent

☐

Totipotent

☐

Multipotent

☒

Pluripotent

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

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

Question # 5 of 10 (Start time: 04:40:22 PM, 12 December 2019)

Total Marks: 1

What is biotechnology?

Select the correct option

☐

use of biology and technology

☐

use of biological products

☒

both (1) and (2)

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

☐

None of the above

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

Question # 6 of 10 (Start time: 04:40:54 PM, 12 December 2019)

Total Marks: 1

What is a vaccine?

Select the correct option

- | | |
|----------------------------------|---|
| ☐ | Improves the human immune defense system |
| ☐ | An agent - resembles a disease-causing bacteria |
| ☐ | Killed forms of the microorganisms |
| ☒ | All of the above |
- Answer solved by Amaan Khan**
Contact: 0305-4716616
Email: maniamaan2@gmail.com

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

Question # 7 of 10 (Start time: 04:41:34 PM, 12 December 2019)

Total Marks: 1

There are various types of adult stem cells includes

Select the correct option

☐

Embryonic Stem Cells

☐

Fetal Stem Cells

☐

Infant Adult Umbilical Cord Blood Stem Cells

☒

All of the above

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

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

Question # 8 of 10 (Start time: 04:42:30 PM, 12 December 2019)

Total Marks: 1

Human embryos reach the blastocyst stage 4–5 days post fertilization, at which time they consist of _____ cells.

Select the correct option

☒	50-150	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	5-15	
☐	150-500	
☐	200-250	



Click to Save Answer & Move to Next Question

Question # 9 of 10 (Start time: 04:44:35 PM, 12 December 2019)

Total Marks: 1

Clasical biotech starts from

Select the correct option

☒	Since Age	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	From Mendle's work	
☐	With discovery of DNA	
☐	All of the above	

Click to Save Answer & Move to Next Question

Question # 10 of 10 (Start time: 04:45:15 PM, 12 December 2019)

Total Marks: 1

The layer involved in the formation of blood are_____

Select the correct option

- | | |
|----------------------------------|---------------------|
| ☐ | Ectoderm |
| ☐ | Endoderm |
| ☒ | Mesoderm |
| ☐ | Inorganic Phosphate |

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

 Click to Save Answer & Move to Next Question

Question # 1 of 10 (Start time: 10:30:41 AM, 20 December 2018)

Human Genome Project was proposed in

Select the correct option

☐	1998	
☒	1985	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	2001	
☐	2003	

Question # 3 of 10 (Start time: 10:33:08 AM, 20 December 2018)

patients are tall and thin and have relatively long legs. They appear physically normal until puberty, when signs of hypogonadism become obvious,the condition is called...

Select the correct option

☒	Klinefelter syndrome	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Turner Syndrom	
☐	Down Syndrom	
☐	None of the above	

[Click to Save](#)

Question # 9 of 10 (Start time: 10:38:36 AM, 20 December 2018)

Vaccines are classified into prophylactic and therapeutic based on..

Select the correct option

☐	Characteristics
☒	Application
☐	Both (1) and (2)
☐	None of the above

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

BT501:QUIZ NO. 2

Question # 10 of 10 (Start time: 10:39:15 AM, 20 December 2018)

Abnormalities in which a portion of chromatin from a single chromosome is lost are called.....

Select the correct option

☒	Deletion	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Insertion	
☐	Translocation	
☐	Duplication	

Question # 2 of 10 (Start time: 10:31:43 AM, 20 December 2018)

.....is a progressive condition in which the body becomes resistant to the normal effects of insulin and/or gradually loses the capacity to produce.

Select the correct option

☐	1.Type 2 diabetes	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☒	Type 1 diabetes	
☐	Young onset diabetes mellitus	
☐	All of the above	

Question # 7 of 10 (Start time: 10:36:55 AM, 20 December 2018)

creation of an artificial lipid sphere with an aqueous core. This carries the therapeutic DNA, is capable of passing the DNA through the target cell's membrane.

Select the correct option

☐	Transposonase	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☒	Liposomes	
☐	Centrosome	
☐	None of the Above	

Question # 4 of 10 (Start time: 10:34:07 AM, 20 December 2018)

..... is defined as the treating the disease by inducing, enhancing, or suppressing an immune response. It is therapy that uses certain parts of the immune system to fight diseases.

Select the correct option

☒	Immunotherapy	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Chemotherapy	
☐	Gene therapy	
☐	All of the above	

BT501:QUIZ NO. 2

Question # 8 of 10 (Start time: 10:37:40 AM, 20 December 2018)

..... gives cells structure on which they need to grow, without them cells are free floating, cannot connect with each other, communicate or form tissue

Select the correct option

☒	Scaffold	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Domain	
☐	Skeleton	
☐	None of the above	

Question # 6 of 10 (**Start time: 10:36:01 AM, 20 December 2018**)

An antibody - by a single clone of cells - identical antibody molecules

Select the correct option

☐	Antibodies
☐	Antigen
☐	Natural Killer cell
☒	Monoclonal antibodies

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

Question # 5 of 10 (**Start time: 10:35:01 AM, 20 December 2018**)

..... Collection of miniaturized test sites (microarrays) arranged on a solid substrate.

Select the correct option

☒	Biochip	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	DNA Chip	
☐	Transponder	
☐	None of the above	

VU Medical Zone

EFFORT BY

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