

VU Medical Zone

BIO 303 QUIZ NO 1 FALL 2020

BIO303:Quiz #1

Quiz Start Time: 12:26 AM, 17 December 2020

Question # 1 of 10 (Start time: 12:26:53 AM, 17 December 2020)

Total Marks: 1

Functional groups capable of accepting electrons are known as _____.

Select the correct option

- | | | |
|----------------------------------|---------------|--|
| ☐ | Nucleophiles | |
| ☐ | Neutrophiles | |
| ☒ | Electrophiles | Answer solved by Amaan Khan
Contact: 0305-4716616
Email:maniamaan2@gmail.com |
| ☐ | All of given | |

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 12:26 AM, 17 December 2020

Question # 2 of 10 (Start time: 12:28:16 AM, 17 December 2020)

Total Marks: 1

Formation of intermediate complexes with _____ ions influences the confirmation of Phosphate groups in nucleotides:

Select the correct option

- | | | |
|----------------------------------|-----------|--|
| ☐ | Manganese | |
| ☒ | Magnesium | Answer solved by Amaan Khan
Contact: 0305-4716616
Email:maniamaan2@gmail.com |
| ☐ | Iron | |
| ☐ | Iodine | |

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO303:Quiz #1

Quiz Start Time: 12:26 AM, 17 December 2020

Question # 3 of 10 (Start time: 12:30:25 AM, 17 December 2020)

Total Marks: 1

The flavin nucleotides FMN and FAD serve as prosthetic groups for the enzymes, called _____.

Select the correct option

☐	Nitroproteins	
☐	Glycoproteins	
☒	flavoproteins	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Lipoproteins	

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 12:26 AM, 17 December 2020

Question # 4 of 10 (Start time: 12:31:15 AM, 17 December 2020)

Total Marks: 1

This flow of phosphoryl groups is catalyzed by _____ enzymes.

Select the correct option

☐	Hydrolase	
☐	Dehydrolase	
☒	Kinase	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Isomerase	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO303:Quiz #1

Quiz Start Time: 12:26 AM, 17 December 2020

Question # 5 of 10 (Start time: 12:31:45 AM, 17 December 2020)

Total Marks: 1

Dietary deficiency of Niacin the vitamin form of NAD and NADP, causes_____.

Select the correct option

☐	Alzheimer's disease	
☒	Pellagra	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Diabetes	
☐	None of given	

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 12:26 AM, 17 December 2020

Question # 6 of 10 (Start time: 12:32:42 AM, 17 December 2020)

Total Marks: 1

An endergonic reaction_____.

Select the correct option

☒	Requires energy	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Releases enzymes	
☐	Releases energy	
☐	All of given	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO303:Quiz #1

Quiz Start Time: 12:26 AM, 17 December 2020

Question # 7 of 10 (Start time: 12:33:36 AM, 17 December 2020)

Total Marks: 1

Hydrolysis of a-b phosphoanhydride bond of ATP molecule generate energy equal to _____ kJ/mol

Select the correct option

☐	23	
☒	46	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	93	
☐	186	

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 12:26 AM, 17 December 2020

Question # 8 of 10 (Start time: 12:35:21 AM, 17 December 2020)

Total Marks: 1

During the activation of a fatty acid, both phosphoanhydride bonds of _____ are broken.

Select the correct option

☐	Fatty acid	
☒	ATP	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Triglyceride	
☐	Thiol group	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO303:Quiz #1

Quiz Start Time: 12:26 AM, 17 December 2020

Question # 9 of 10 (Start time: 12:36:02 AM, 17 December 2020)

Total Marks: 1

Bioenergetics is the _____ study of the energy transductions changes of one form of energy into another.

Select the correct option

☒	Quantitative	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Qualitative	
☐	Both Quantitative and Qualitative	
☐	None of given	

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 12:26 AM, 17 December 2020

Question # 10 of 10 (Start time: 12:36:34 AM, 17 December 2020)

Total Marks: 1

During the activation of fatty acids, the _____ group of coenzyme A displaces the adenylyl group and forms a thioester with the fatty acid.

Select the correct option

☐	Ketone	
☐	Carboxy	
☐	Aldehyde	
☒	Thiol	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO303:Quiz #1

Quiz Start Time: 12:54 AM, 17 December 2020

Question # 1 of 10 (Start time: 12:54:22 AM, 17 December 2020)

Total Marks: 1

Hydrolysis of α -b phosphoanhydride bond of ATP molecule generate energy equal to _____ kJ/mol.

Select the correct option

☐	23	
☒	46	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	93	
☐	186	

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 12:54 AM, 17 December 2020

Question # 2 of 10 (Start time: 12:54:47 AM, 17 December 2020)

Total Marks: 1

This flow of phosphoryl groups is catalyzed by _____ enzymes.

Select the correct option

☐	Hydrolase.	
☐	Dehydrolase	
☒	Kinase	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Isomerase	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO303:Quiz #1

Quiz Start Time: 12:54 AM, 17 December 2020

Question # 3 of 10 (Start time: 12:55:01 AM, 17 December 2020)

Total Marks: 1

The heat content of the reacting system is known as _____.

Select the correct option

☒	Enthalpy	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com	
☐	Equilibrium Constant		
☐	Entropy		
☐	Dissociation constant		

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 12:54 AM, 17 December 2020

Question # 4 of 10 (Start time: 12:55:25 AM, 17 December 2020)

Total Marks: 1

When a reaction proceeds with the gain of free energy, ΔG is positive, the reaction is said to be _____.

Select the correct option

☐	Exergonic		
☒	Endergonic	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com	
☐	All of given		
☐	Reactive		

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

sec(s)

BIO303:Quiz #1

Quiz Start Time: 12:54 AM, 17 December 2020

Question # 5 of 10 (Start time: 12:55:52 AM, 17 December 2020)

Total Marks: 1

Gibbs free energy, G expresses the amount of energy capable of doing work during a reaction at constant _____.

Select the correct option

☐	Temperature	
☐	Pressure	
☒	Temperature and pressure	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Force	

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 12:54 AM, 17 December 2020

Question # 6 of 10 (Start time: 12:56:19 AM, 17 December 2020)

Total Marks: 1

Dietary deficiency of Niacin the vitamin form of NAD and NADP, causes _____.

Select the correct option

☐	Arthritis	
☒	Pellagra	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Diabetes	
☐	None of given	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO303:Quiz #1

Quiz Start Time: 12:54 AM, 17 December 2020

Question # 7 of 10 (Start time: 12:56:32 AM, 17 December 2020)

Total Marks: 1

During the activation of a fatty acid, both phosphoanhydride bonds of _____ are broken.

Select the correct option

☐	Fatty acid	
☒	ATP	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Triglyceride	
☐	Thiol group	

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 12:54 AM, 17 December 2020

Question # 8 of 10 (Start time: 12:56:46 AM, 17 December 2020)

Total Marks: 1

An endergonic reaction _____

Select the correct option

☒	Requires energy	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Releases enzymes	
☐	Releases energy	
☐	All of given	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO303:Quiz #1

Quiz Start Time: 12:54 AM, 17 December 2020

Question # 9 of 10 (Start time: 12:56:59 AM, 17 December 2020)

Total Marks: 1

Study of energy relationships and energy conversions in biological systems is termed as _____.

Select the correct option

☐	microbiology	
☐	Biotechnology	
☒	Bioenergetics	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Biophysics	

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 12:54 AM, 17 December 2020

Question # 10 of 10 (Start time: 12:57:52 AM, 17 December 2020)

Total Marks: 1

The flavin nucleotides FMN and FAD serve as prosthetic groups for the enzymes, called _____.

Select the correct option

☐	Nitroproteins	
☐	Glycoproteins	
☒	flavoproteins	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Lipoproteins	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO303:Quiz #1

Quiz Start Time: 12:58 AM, 17 December 2020

Question # 1 of 10 (Start time: 12:58:41 AM, 17 December 2020)

Total Marks: 1

Dietary deficiency of Niacin the vitamin form of NAD and NADP, causes_____.

Select the correct option

☐	Arthritis	
☒	Pellagra	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Diabetes	
☐	None of given	

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 12:58 AM, 17 December 2020

Question # 2 of 10 (Start time: 12:58:55 AM, 17 December 2020)

Total Marks: 1

Bioenergetics is the _____ study of the energy transductions changes of one form of energy into another.

Select the correct option

☒	Quantitative	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Qualitative	
☐	Both Quantitative and Qualitative	
☐	None of given	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

sec(s)

BIO303:Quiz #1

Quiz Start Time: 12:58 AM, 17 December 2020

Question # 3 of 10 (Start time: 12:59:07 AM, 17 December 2020)

Total Marks: 1

When a reaction proceeds with the gain of free energy, ΔG is positive, the reaction is said to be _____.

Select the correct option

☐	Exergonic	
☒	Endergonic	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	All of given	
☐	Reactive	

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 12:58 AM, 17 December 2020

Question # 4 of 10 (Start time: 12:59:21 AM, 17 December 2020)

Total Marks: 1

An endergonic reaction _____.

Select the correct option

☒	Requires energy	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Releases enzymes	
☐	Releases energy	
☐	All of given	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO303:Quiz #1

Quiz Start Time: 12:58 AM, 17 December 2020

Question # 5 of 10 (Start time: 12:59:33 AM, 17 December 2020)

Total Marks: 1

Dietary deficiency of Niacin the vitamin form of NAD and NADP, causes_____.

Select the correct option

☐	Alzheimer's disease	
☒	Pellagra	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Diabetes	
☐	None of given	

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 12:58 AM, 17 December 2020

Question # 6 of 10 (Start time: 12:59:45 AM, 17 December 2020)

Total Marks: 1

The heat content of the reacting system is known as_____.

Select the correct option

☒	Enthalpy	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Equilibrium Constant	
☐	Entropy	
☐	Dissociation constant	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO303:Quiz #1

Quiz Start Time: 12:58 AM, 17 December 2020

Question # 7 of 10 (Start time: 12:59:57 AM, 17 December 2020)

Total Marks: 1

Formation of intermediate complexes with _____ ions influences the confirmation of Phosphate groups in nucleotides.

Select the correct option

☐	Manganese	
☒	Magnesium	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Iron	
☐	Iodine	

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 12:58 AM, 17 December 2020

Question # 8 of 10 (Start time: 01:00:11 AM, 17 December 2020)

Total Marks: 1

During the activation of fatty acids, the _____ group of coenzyme A displaces the adenylyl group and forms a thioester with the fatty acid.

Select the correct option

☐	Ketone	
☐	Carboxy	
☐	Aldehyde	
☒	Thiol	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO303:Quiz #1

Quiz Start Time: 12:58 AM, 17 December 2020

Question # 9 of 10 (Start time: 01:00:27 AM, 17 December 2020)

Total Marks: 1

During the activation of a fatty acid, both phosphoanhydride bonds of _____ are broken.

Select the correct option

☐	Fatty acid	
☒	ATP	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Triglyceride	
☐	Thiol group	

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 12:58 AM, 17 December 2020

Question # 10 of 10 (Start time: 01:00:40 AM, 17 December 2020)

Total Marks: 1

In biological system, a few types of _____ serve as Universal Electron Carriers.

Select the correct option

☐	Enzymes and coenzymes	
☐	Enzymes and hormones	
☐	None of given	
☒	Coenzymes and Proteins	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO303:Quiz #1

Quiz Start Time: 01:16 AM, 17 December 2020

Question # 1 of 10 (Start time: 01:16:08 AM, 17 December 2020)

Total Marks: 1

The heat content of the reacting system is known as _____

Select the correct option

☒	Enthalpy	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Equilibrium Constant	
☐	Entropy	
☐	Dissociation constant	

Click to Save Answer & Move to Next Question

Windows taskbar showing icons for Internet Explorer, File Explorer, VLC, and Google Chrome. System tray shows time 1:16 AM, date 17-Dec-20, and a timer set to 1 sec(s).

BIO303:Quiz #1

Quiz Start Time: 01:16 AM, 17 December 2020

Question # 2 of 10 (Start time: 01:16:28 AM, 17 December 2020)

Total Marks: 1

In biological system, a few types of _____ serve as Universal Electron Carriers.

Select the correct option

☐	Enzymes and coenzymes	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Enzymes and hormones	
☐	None of given	
☒	Coenzymes and Proteins	

Click to Save Answer & Move to Next Question

Windows taskbar showing icons for Internet Explorer, File Explorer, VLC, and Google Chrome. System tray shows time 1:16 AM, date 17-Dec-20, and a timer set to 1 sec(s).

EFFORT BY AMAAN KHAN

Question # 3 of 10 (Start time: 01:16:40 AM, 17 December 2020)

Total Marks: 1

Functional groups capable of accepting electrons are known as _____.

Select the correct option

- | | | |
|----------------------------------|---------------|--|
| ☐ | Nucleophiles | |
| ☐ | Neutrophiles | |
| ☒ | Electrophiles | Answer solved by Amaan Khan
Contact: 0305-4716616
Email:maniamaan2@gmail.com |
| ☐ | All of given | |

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

BIO303:Quiz #1

Quiz Start Time: 01:16 AM, 17 December 2020

Question # 4 of 10 (Start time: 01:16:55 AM, 17 December 2020)

Total Marks: 1

Pyruvate is oxidized, with loss of its carboxyl group to yield _____.

Select the correct option

- | | | |
|----------------------------------|-------------------|--|
| ☐ | Starch | |
| ☐ | Malate | |
| ☐ | Succinyl CoA | |
| ☒ | Acetyl-coenzyme A | Answer solved by Amaan Khan
Contact: 0305-4716616
Email:maniamaan2@gmail.com |

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

VU Medical Zone

BIO303:Quiz #1

Quiz Start Time: 01:16 AM, 17 December 2020

Question # 5 of 10 (Start time: 01:17:08 AM, 17 December 2020)

Total Marks: 1

The flavin nucleotides FMN and FAD serve as prosthetic groups for the enzymes, called _____.

Select the correct option

☐	Nitroproteins	
☐	Glycoproteins	
☒	flavoproteins	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Lipoproteins	

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 01:16 AM, 17 December 2020

Question # 6 of 10 (Start time: 01:17:21 AM, 17 December 2020)

Total Marks: 1

Dietary deficiency of Niacin the vitamin form of NAD and NADP, causes _____.

Select the correct option

☐	Alzheimer's disease	
☒	Pellagra	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Diabetes	
☐	None of given	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO303:Quiz #1

Quiz Start Time: 01:16 AM, 17 December 2020

Question # 7 of 10 (Start time: 01:17:32 AM, 17 December 2020)

Total Marks: 1

Dietary deficiency of Niacin the vitamin form of NAD and NADP, causes_____.

Select the correct option

☐	Arthritis	
☒	Pellagra	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Diabetes	
☐	None of given	

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 01:16 AM, 17 December 2020

Question # 8 of 10 (Start time: 01:17:43 AM, 17 December 2020)

Total Marks: 1

Formation of intermediate complexes with _____ ions influences the confirmation of Phosphate groups in nucleotides.

Select the correct option

☐	Manganese	
☒	Magnesium	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Iron	
☐	Iodine	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO303:Quiz #1

Quiz Start Time: 01:16 AM, 17 December 2020

Question # 9 of 10 (Start time: 01:17:54 AM, 17 December 2020)

Total Marks: 1

During the activation of fatty acids, the _____ group of coenzyme A displaces the adenylyl group and forms a thioester with the fatty acid.

Select the correct option

☐	Ketone
☐	Carboxy
☐	Aldehyde
☒	Thiol

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

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 01:16 AM, 17 December 2020

Question # 10 of 10 (Start time: 01:18:07 AM, 17 December 2020)

Total Marks: 1

_____ of the three P atoms of ATP molecule can serve as the electrophilic target for nucleophilic attack .

Select the correct option

☐	Alpha
☐	Beta
☐	Gamma
☒	All of given

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

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO303:Quiz #1

Quiz Start Time: 01:11 AM, 17 December 2020

Question # 1 of 10 (Start time: 01:11:36 AM, 17 December 2020)

Total Marks: 1

Study of energy relationships and energy conversions in biological systems is termed as _____.

Select the correct option

☐	microbiology	
☐	Biotechnology	
☒	Bioenergetics	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Biophysics	

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 01:11 AM, 17 December 2020

Question # 2 of 10 (Start time: 01:11:54 AM, 17 December 2020)

Total Marks: 1

Gibbs free energy, G expresses the amount of energy capable of doing work during a reaction at constant _____.

Select the correct option

☐	Temperature	
☐	Pressure	
☒	Temperature and pressure	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Force	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO303:Quiz #1

Quiz Start Time: 01:11 AM, 17 December 2020

Question # 3 of 10 (Start time: 01:12:10 AM, 17 December 2020)

Total Marks: 1

Hydrolysis of a-b phosphoanhydride bond of ATP molecule generate energy equal to _____ kJ/mol

Select the correct option

☐	23	
☒	46	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	93	
☐	186	

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 01:11 AM, 17 December 2020

Question # 4 of 10 (Start time: 01:12:22 AM, 17 December 2020)

Total Marks: 1

During the activation of a fatty acid, both phosphoanhydride bonds of _____ are broken.

Select the correct option

☐	Fatty acid	
☒	ATP	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Triglyceride	
☐	Thiol group	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO303:Quiz #1

Quiz Start Time: 01:11 AM, 17 December 2020

Question # 5 of 10 (Start time: 01:12:34 AM, 17 December 2020)

Total Marks: 1

Formation of intermediate complexes with _____ ions influences the confirmation of Phosphate groups in nucleotides.

Select the correct option

☐	Manganese	
☒	Magnesium	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Iron	
☐	Iodine	

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 01:11 AM, 17 December 2020

Question # 6 of 10 (Start time: 01:12:46 AM, 17 December 2020)

Total Marks: 1

When a reaction proceeds with the gain of free energy, ΔG is positive, the reaction is said to be _____

Select the correct option

☐	Exergonic	
☒	Endergonic	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	All of given	
☐	Reactive	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO303: Quiz #1

Quiz Start Time: 01:11 AM, 17 December 2020

Question # 7 of 10 (Start time: 01:13:06 AM, 17 December 2020)

Total Marks: 1

An endergonic reaction _____

Select the correct option

☒	Requires energy	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Releases enzymes	
☐	Releases energy	
☐	All of given	

Click to Save Answer & Move to Next Question



BIO303: Quiz #1

Quiz Start Time: 01:11 AM, 17 December 2020

Question # 8 of 10 (Start time: 01:13:19 AM, 17 December 2020)

Total Marks: 1

_____ of the three P atoms of ATP molecule can serve as the electrophilic target for nucleophilic attack.

Select the correct option

☐	Alpha	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Beta	
☐	Gamma	
☒	All of given	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO303:Quiz #1

Quiz Start Time: 01:11 AM, 17 December 2020

Question # 9 of 10 (Start time: 01:13:53 AM, 17 December 2020)

Total Marks: 1

Bioenergetics is the _____ study of the energy transductions changes of one form of energy into another.

Select the correct option

☒	Quantitative	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Qualitative	
☐	Both Quantitative and Qualitative	
☐	None of given	

Click to Save Answer & Move to Next Question



BIO303:Quiz #1

Quiz Start Time: 01:11 AM, 17 December 2020

Question # 10 of 10 (Start time: 01:14:05 AM, 17 December 2020)

Total Marks: 1

Pyruvate is oxidized, with loss of its carboxyl group to yield _____.

Select the correct option

☐	Starch	
☐	Malate	
☐	Succinyl CoA	
☒	Acetyl-coenzyme A	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



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