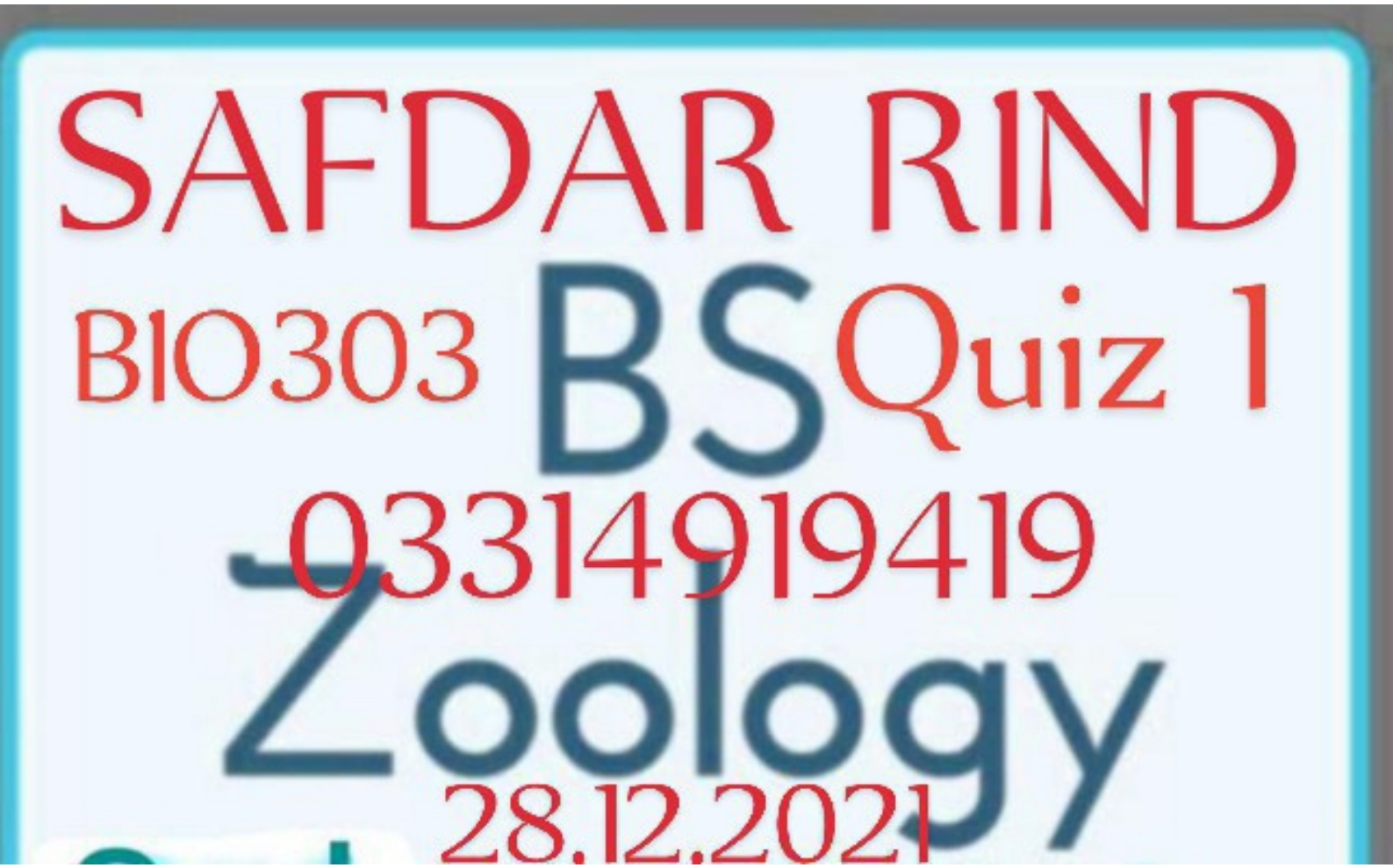

SAFDAR RIND
BIO303 BS Quiz 1
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BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 07:34 PM, 28 December 2021

Question # 7 of 10 (Start time: 07:40:49 PM, 28 December 2021) Total Marks: 1

The stable balance of attractive and repulsive forces between atoms, when they share electrons, is known as _____ bonding.

Select the correct option

- Hydrogen
- Covalent
- Peptide
- Ionic

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 07:34 PM, 28 December 2021

Question # 8 of 10 (Start time: 07:42:35 PM, 28 December 2021) **Total Marks: 1**

In a chemical reaction, if the product of the conentration of reactants is greater than product, the reaction will

Select the correct option

Reload Math Equations

- Proceed in forward direction
- Proceed in reverse direction
- Reaction will stop
- Reaction will become slow

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 07:34 PM, 28 December 2021

Question # 10 of 10 (Start time: 07:45:17 PM, 28 December 2021) Total Marks: 1

All of the following is true about reduction reaction except_____.

Select the correct option

- Gain of electrons
- Addition of oxygen
- Removal of oxygen
- Gain of hydrogen

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 07:16 PM, 28 December 2021

Question # 10 of 10 (Start time: 07:29:07 PM, 28 December 2021) Total Marks: 1

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

Select the correct option

- 93
- 186
- 23
- 46

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 07:34 PM, 28 December 2021

Question # 1 of 10 (Start time: 07:34:50 PM, 28 December 2021) Total Marks: 1

Free energy changes are

Select the correct option

Reload Math Equations

- Divisionary
- Additive
- Subtractive
- Multiplicative

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 07:34 PM, 28 December 2021

Question # 4 of 10 (Start time: 07:37:26 PM, 28 December 2021) Total Marks: 1

ATP Provides Energy by _____.

Select the correct option

- Photolysis
- Protolysis
- Group transfers
- Hydrolysis

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 07:34 PM, 28 December 2021

Question # 3 of 10 (Start time: 07:36:23 PM, 28 December 2021) Total Marks: 1

An endergonic reaction_____.

Select the correct option

- All of given
- Releases energy
- Releases enzymes
- Requires energy

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 07:16 PM, 28 December 2021

Question # 7 of 10 (Start time: 07:25:04 PM, 28 December 2021) Total Marks: 1

_____ form of pyruvate can immediately tautomerize to the more stable keto form of pyruvate

Select the correct option

Reload with Equations

- Keto
- Gluco
- Enol
- Chloride

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 07:16 PM, 28 December 2021

Question # 8 of 10 (Start time: 07:26:23 PM, 28 December 2021) Total Marks: 1

Which kind of reactions are central feature of metabolism?

Select the correct option

- Decomposition reactions
- Oxidation-reduction reactions
- Displacement reaction.
- Double Displacement reaction.

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 07:16 PM, 28 December 2021

Question # 9 of 10 (Start time: 07:27:30 PM, 28 December 2021) 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

- Thiol
- Aldehyde
- Ketone
- Carboxy

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 07:16 PM, 28 December 2021

Question # 6 of 10 (Start time: 07:23:27 PM, 28 December 2021) Total Marks: 1

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

Select the correct option

- Glycoproteins
- flavoproteins
- Lipoproteins
- Nitroproteins

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 07:16 PM, 28 December 2021

Question # 2 of 10 (Start time: 07:17:38 PM, 28 December 2021) Total Marks: 1

Which of the following statements is true about equilibrium reactions?

Select the correct option

- Concentration of reactants is higher products
- Rates of the forward and reverse reactions are different
- No further net change occurs in the system
- Concentration of products is higher reactants

Click to Save Answer & Move to Next Question

SAFDAR RIND

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BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 07:16 PM, 28 December 2021

Question # 3 of 10 (Start time: 07:38:42 PM, 28 December 2021) Total Marks: 1

Functional groups capable of accepting electrons are known as_____

Select the correct option

- Neutrophiles
- All of given
- Electrophiles
- Nucleophiles

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 07:16 PM, 28 December 2021

Question # 5 of 10 (Start time: 07:23:51 PM, 28 December 2021) Total Marks: 1

The energy releases from ATP by breakage of _____

Select the correct option

- Covalent bond
- Peptide bond
- Phosphodiester bond
- Hydrogen bond

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 07:16 PM, 28 December 2021

Question # 4 of 10 (Start time: 07:20:15 PM, 28 December 2021) Total Marks: 1

Acetyle CoA is a _____

Select the correct option

Reload Math Equations

- Phosphoester
- Chorcester
- Phosphodiester
- Thioester

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 06:54 PM, 28 December 2021

Question # 7 of 10 (Start time: 07:05:44 PM, 28 December 2021) Total Marks:

High-energy compounds have a ΔG'0 of hydrolysis more negative than _____ kJ/mol.

Select the correct option

- -25
- -10
- -15
- -20

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1)

Quiz Start Time: 06:54 PM, 28 December 2021

Question # 9 of 10 (Start time: 07:09:10 PM, 28 December 2021)

Total Marks: 1

Groups at a double bond may undergo a _____

Select the correct option

- Cis-trans rearrangement
- Free-radical reactions
- Isomerization
- Elimination

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 06:54 PM, 28 December 2021

Question # 8 of 10 (Start time: 07:07:40 PM, 28 December 2021) **Total Marks:**

A carbon–carbon bond forming reaction that occurs between two esters or one ester and another carbonyl compound in the presence of a strong base resulting in a β-keto ester, is named as _____.

Select the correct option

- Aldol condensation
- Hydrolysis
- Decarboxylation
- Claisen condensation

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1)

Quiz Start Time: 06:54 PM, 28 December 2021

Question # 10 of 10 (Start time: 07:10:41 PM, 28 December 2021)

Total Marks: 1

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

Select the correct option

- None of given
- Diabetes
- Arthritis
- Pellagra

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 06:54 PM, 28 December 2021

Question # 2 of 10 (Start time: 06:58:30 PM, 28 December 2021) Total Marks: 1

In a chemical reaction, if the product of the conentration of reactants is greater than product, the reaction will

Select the correct option

Reload Math Equations

- Reaction will stop
- Proceed in forward direction
- Proceed in reverse direction
- Reaction will become slow

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 06:54 PM, 28 December 2021

Question # 3 of 10 (Start time: 06:58:21 PM, 28 December 2021) Total Marks: 1

Which one of the following is true regarding elimination reaction?

Select the correct option

- Causes oxidation-reduction reaction
- Causes oxidation
- Causes reduction
- Causes no change in oxidation state

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 06:54 PM, 28 December 2021

Question # 4 of 10 (Start time: 07:00:14 PM, 28 December 2021) Total Marks: 1

_____ form of pyruvate can immediately tautomerize to the more stable keto form of pyruvate

Select the correct option

Reload Math Equations

- Gluco
- Keto
- Chloride
- Enol

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 06:54 PM, 28 December 2021

Question # 5 of 10 (Start time: 07:02:27 PM, 28 December 2021) Total Marks: 1

The equation for standard free energy change Δ G° is

Select the correct option

Reload Math Equations

○	$\Delta H^\circ = \Delta G^\circ - T\Delta S^\circ$
○	$\Delta G^\circ = \Delta H^\circ + T\Delta S^\circ$
○	$T\Delta S^\circ = \Delta H^\circ + \Delta G^\circ$
○	$\Delta G^\circ = \Delta H^\circ - T\Delta S^\circ$

Click to save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1) Quiz Start Time: 06:54 PM, 28 December 2021

Question # 1 of 10 (Start time: 06:54:40 PM, 28 December 2021) Total Marks: 1

All of the following is true about oxidation reaction except_____

Select the correct option

- Removal of oxygen
- Addition of oxygen
- Loss of electrons
- Loss of hydrogen

Click to Save Answer & Move to Next Question

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1)

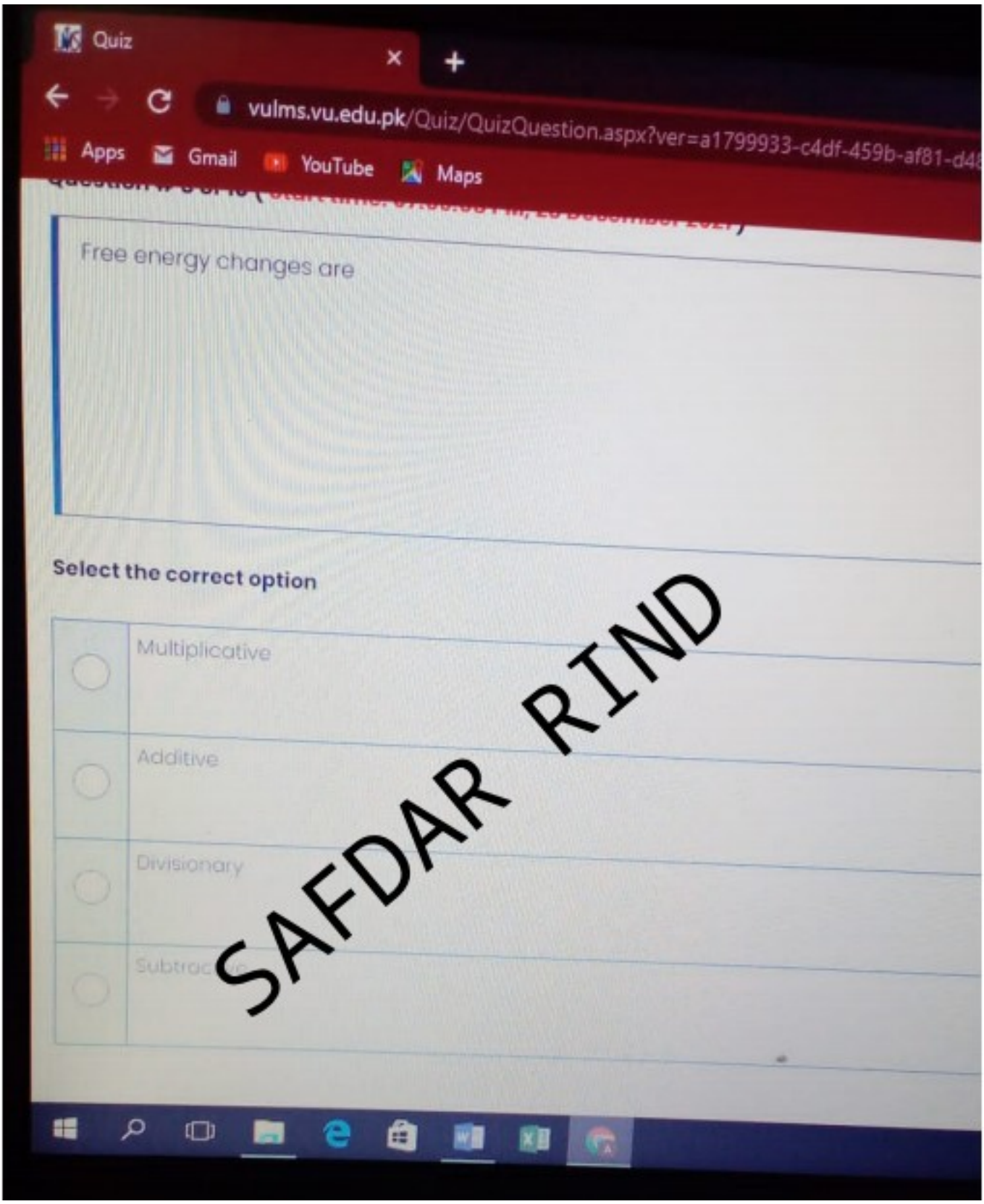
Question # 2 of 10 (Start time: 07:53:20 PM, 28 December 2021)

Electrophiles are capable of

Select the correct option

- Accepting electons
- Donating electrons
- Accepting both el... and protons
- Accep... electrons

SAFDAR RIND


Quiz
vulms.vu.edu.pk/Quiz/QuizQuestion.aspx?ver=a1799933-c4df-459b-af81-d4
Apps
Gmail
YouTube
Maps
Free energy changes are
Select the correct option
Multiplicative
Additive
Divisionary
SAFDAR RIND


Quiz
vulms.vu.edu.pk/Quiz/QuizQuestion.aspx?ver=37f8f9ee-2b80-47ec-b226-5fc9582bbec5
Apps
Gmail
YouTube
Maps
Hydrolysis of a-b phosphoanhydride bond of ATP molecule generate energy equal to_____kJ/mol
Select the correct option
23
46
93
186
SAFDAR RIND

Apps Gmail YouTube Maps

Question # 9 of 10 (Start time: 08:00:40 PM, 28 December 2021)

1- If ΔG is positive

Select the correct option

- Reaction will stop
- Reaction will occur in the forward direction
- Reaction will be spontaneous
- Reaction will occur in the reverse direction

SAFDAR RIND


BC190408198: AYESHA KHAN
BIO303 - Biochemistry II (Quiz-1)
Quiz Start Time: 07:52 PM, 28 D
Question # 5 of 10 (Start time: 07:56:22 PM, 28 December 2021)
In a chemical reaction, if the product of the conentration of reactants is greater th
the reaction will
Reload
Select the correct option
Reaction will become slow
Proceed in forward direct
Proceed in reverse direction
Reaction will stop
Desktop
SAFDAR RIND


Quiz
vulms.vu.edu.pk/Quiz/QuizQuestion.aspx?ver=a7ed5f8b-c8de-49f4-9969-bc80ce60ea94
Apps
Gmail
YouTube
Maps
Question # 10 of 10 (Start time: 08:02:06 PM, 28 December 2021)
Which one of the following groups contains a double bonded oxygen atom and an alkyl
Select the correct option
Phosphoryl
Acyl
Carbonyl
Hydroxyl
SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1)

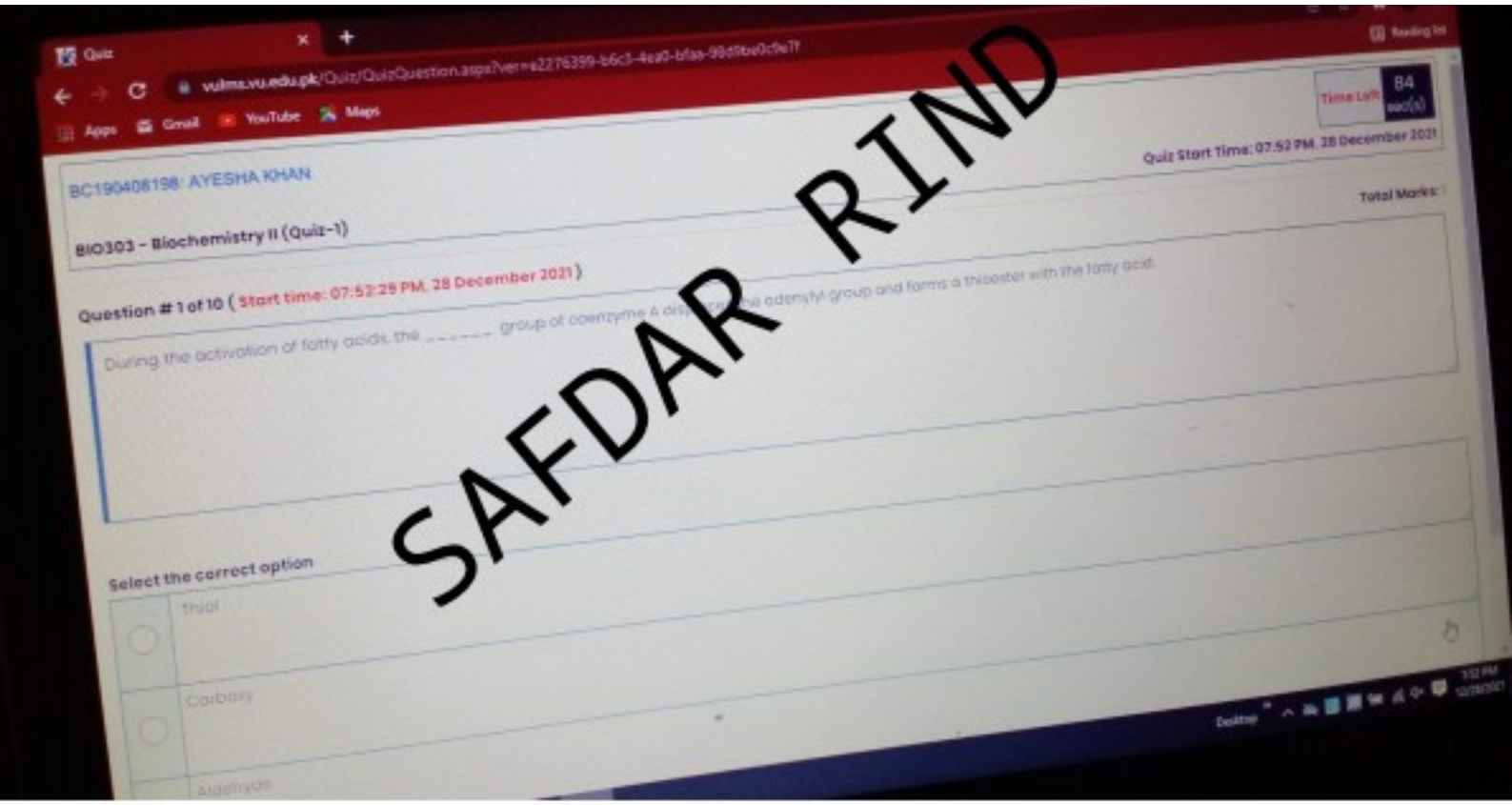
Question # 3 of 10 (Start time: 07:54:21 PM, 28 December 2021)

A chemical bond which iinvolves the sharing of electron pairs between atoms is called

Select the correct option

- Ionic bond
- Physical bond
- Covalent bond
- Coordinate bond

DAR RIND


Quiz
vulms.vu.edu.pk/Quiz/QuizQuestion.aspx?ver=a2276399-b6c3-4ea0-bfaa-98d9be0cf9e7f
Apps
Gmail
YouTube
Maps
Time Left
84
sec(s)
BC190406198: AYESHA KHAN
Quiz Start Time: 07:52 PM, 28 December 2021
BIO303 - Biochemistry II (Quiz-1)
Total Marks:
Question # 1 of 10 (Start time: 07:52:29 PM, 28 December 2021)
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
thiol
Carbanyl
Aldehyde
Desktop

SAFDAR RIND

BIO303 - Biochemistry II (Quiz-1)

Question # 4 of 10 (Start time: 07:55:07 PM, 28 December 2021)

ATP forms strong complexes with following metal ion

Select the correct option

- Na^{2+}
- Br^{2+}
- Mg^{2+}
- Ca^{2+}

DAR RIND