

ZOO505-Quiz1, Fall 21

December 13 ,
2021

**by Muhammad
Kashif**

03064963933

select the correct option

☐	Chloroplast
☐	Nucleus
☐	Endoplasmic reticulum
☒	Golgi Apparatus

Attempted by Muhammad Kashif



ZOO505 - Cell and Molecular Biology (Quiz 1)

Question # 9 of 10 (Start time: 10:58:46 AM, 13 December 2021)

Fusion of _____ with phagosomes is required for autoph

Select the correct option

☒	Lysosome
☐	Ribosome
☐	Golgi Apparatus
☐	Mitochondria

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ZOO505 - Cell and Molecular Biology (Quiz 1)

Question # 7 of 10 (Start time: 10:56:40 AM, 13 December 2021)

Endoplasmic reticulum membrane separates the ER lumen from the _____

Select the correct option

☐	Nucleus
☐	Plasma membrane
☐	Golgi apparatus
☒	Cytosol

Attempted by Muhammad Kashif



ZOO505 - Cell and Molecular Biology (Quiz 1)

Question # 6 of 10 (Start time: 10:56:00 AM, 13 December 2021)

The Signal-Recognition Particle (SRP) consisting of six different polypeptide chains bound

Select the correct option

☒	small RNA molecule
☐	large DNA molecule
☐	small DNA molecule
☐	large RNA molecule

Attempted by Muhammad Kashif



ZOO505 - Cell and Molecular Biology (Quiz 1)

Question # 8 of 10 (Start time: 10:57:30 AM, 13 December 2021)

Partly smooth and partly rough region of ER are called?

Select the correct option

☐	Ribosomes
☐	Mitochondria
☒	SER
☐	RET

Attempted by Muhammad Kashif



ZOO505 - Cell and Molecular Biology (Quiz 1)

Question # 5 of 10 (Start time: 10:55:42 AM, 13 December 2021)

The Golgi complex is a major site of ----- synthesis.

Select the correct option

☐	Proteins
☐	Lipids
☐	Enzymes
☒	Carbohydrate

Attempted by Muhammad Kashif



ZOO505 - Cell and Molecular Biology (Quiz 1)

Question # 4 of 10 (Start time: 10:54:29 AM, 13 December 2021)

RER is involved in:

Select the correct option

☒	Protein synthesis
☐	Maintain cell structure
☐	All of the above
☐	Phospholipid biosynthesis

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ZOO505 - Cell and Molecular Biology (Quiz 1)

Question # 3 of 10 (Start time: 10:53:59 AM, 13 December 2021)

The SRP binds to the _____ signal sequence as soon as the peptide has emer

Select the correct option

☐	Plasma membrane
☐	ER
☐	Mitochondria
☒	Ribosome

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ZOO505 - Cell and Molecular Biology (Quiz 1)

Question # 9 of 10 (Start time: 10:48:45 AM, 13 December 2021)

Input of energy is not required in

Select the correct option

☐	Active transport
☒	Passive transport
☐	Ionic transport
☐	Molecular transport

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ZOO505 - Cell and Molecular Biology (Quiz 1)

Question # 10 of 10 (Start time: 10:49:26 AM, 13 December 2021)

What is/are the functions of cytoskeleton?

Select the correct option

☐	Anchor cytoplasmic enzymes
☒	All of the above
☐	Keep in place the organelles
☐	To change the shape of cell

Click

Attempted by Muhammad Kashif



Heads of membrane phospholipids are -----

Select the correct option

☐	Polar Hydrophobic
☐	Non Polar Hydrophobic
☐	Non polar Hydrophilic
☒	Polar Hydrophilic

Attempted by Muhammad Kashif



ZOO505 – Cell and Molecular Biology (Quiz 1)

Question # 8 of 10 (Start time: 10:48:11 AM, 13 December 2021)

A phospholipid molecule travels from one end to the other in about -----

Select the correct option



5 second



1 second



5 milli second



1 minute

Attempted by Muhammad Kashif



Question # 7 of 10 (Start time: 10:47:20 AM, 13 December 2021)

During ER transport, an ER signal sequence is recognized _____.

Select the correct option



four times



thrice



twice



Once

[Click to Save](#)

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ZOO505 - Cell and Molecular Biology (Quiz 1)

Question # 6 of 10 (Start time: 10:46:46 AM, 13 December 2021)

Endoplasmic reticulum stores _____ in most eukaryotic cells,

Select the correct option

☐	K^{2+}
☐	Mg^{2+}
☒	Ca^{2+}
☐	Na^{2+}

Attempted by Muhammad Kashif



ZOO505 - Cell and Molecular Biology (Quiz 1)

Question # 3 of 10 (**Start time: 10:43:52 AM, 13 December 2021**)

Water molecules move through membranes by -----

Select the correct option

☒	Osmosis
☐	Passive Transport
☐	Active transport
☐	Facilitated diffusion

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ZOO505 – Cell and Molecular Biology (Quiz 1)

Question # 4 of 10 (Start time: 10:44:27 AM, 13 December 2021)

Which of the following is a type of endocytosis?

Select the correct option

☐	Cytogenesis
☐	Hemolysis
☒	Pinocytosis
☐	Phagocytosis

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ZOO505 - Cell and Molecular Biology (Quiz 1)

Question # 5 of 10 (Start time: 10:45:55 AM, 13 December 2021)

Cilia and flagella help in the _____ of cell.

Select the correct option

☐	formation
☒	movement
☐	maintenance
☐	destruction

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ZOO505 - Cell and Molecular Biology (Quiz 1)

Question # 2 of 10 (Start time: 10:43:29 AM, 13 December 2021)

Water molecules move through membranes By Osmosis by pathways called?

Select the correct option



DNA



protiens



Aqua porins



water

Attempted by Muhammad Kashif



Sarcoplasmic reticulum is associated with

Select the correct option

☐	Hormone synthesis
☐	None of the above
☐	Protein synthesis
☒	Release of calcium ions from muscle contractions

Attempted by Muhammad Kashif



Question # 9 of 10 (Start time: 10:37:56 AM, 13 December 2021)

Pectin involved in the cell wall of plants, is manufactured in

Select the correct option

☐	Nucleus
☒	Golgi Apparatus
☐	Endoplasmic reticulum
☐	Chloroplast

Attempted by Muhammad Kashif



ZOO505 - Cell and Molecular Biology (Quiz 1)

Question # 6 of 10 (Start time: 10:34:19 AM, 13 December 2021)

RER is involved in:

Select the correct option

☒	Protein synthesis
☐	Phospholipid biosynthesis
☐	Maintain cell structure
☐	All of the above

Attempted by Muhammad Kashif



Question # 7 of 10 (Start time: 10:35:45 AM, 13 December 2021)

The SRP binds to the _____ signal sequence as soon as the peptide has emerged from the ribosome causes

Select the correct option

☐	Plasma membrane
☐	Ribosome
☐	Mitochondria
☐	ER

Click to Save Ans

Attempted by Muhammad Kashif



MC210201368: SARWAT ABID

ZOO505 - Cell and Molecular Biology (Quiz 1)

Question # 8 of 10 (Start time: 10:36:44 AM, 13 December 2021)

Detoxification of both lipid-soluble drugs and various harmful compounds produced by metabolism

Select the correct option

- | | |
|----------------------------------|------------------------------|
| ☐ | Sarcoplasmic reticulum |
| ☐ | Rough endoplasmic reticulum |
| ☒ | Smooth endoplasmic reticulum |
| ☐ | Nucleus |

Click

Attempted by Muhammad Kashif



MC210201368: SARWAT ABID

ZOO505 - Cell and Molecular Biology (Quiz1)

Quiz Start Time: 10:30 J

Question # 5 of 10 (Start time: 10:32:09 AM, 13 December 2021)

Intermediate filaments are found in only:

Select the correct option



- | | |
|----------------------------------|-------------|
| ☐ | Prokaryotes |
| ☐ | Plants |
| ☒ | Eukaryotes |
| ☐ | Animals |

Click to Save Answer & Move

Attempted by Muhammad Kashif



ZOO505 - Cell and Molecular Biology (Quiz 1)

Question # 4 of 10 (Start time: 10:31:30 AM, 13 December 2021)

_____ receives materials from the rough ER and modifies them.

Select the correct option

☐	Ribosome
☐	Mitochondria
☐	Nucleus
☒	Golgi Apparatus

Attempted by Muhammad Kashif



ZOO505 - Cell and Molecular Biology (Quiz I)

Question # 3 of 10 (Start time: 10:31:01 AM, 13 December 2021)

The Golgi complex is a major site of ----- synthesis.

Select the correct option

☒	Carbohydrate
☐	Enzymes
☐	Lipids
☐	Proteins

Attempted by Muhammad Kashif



Question # 10 of 10 (Start time: 10:11:58 AM, 13 December 20)

ATP is utilized directly in

Select the correct option

☒	Primary active transport
☐	Secondary active transport
☐	Quaternary active transport
☐	Tertiary active transport

Attempted by Muhammad Kashif



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**Question # 1 of 10 (Start time: 10:30:18 AM, 13 December 2021)**

Which factors helps to ensure that only appropriate proteins enter the lumen of the ER?

Select the correct option

☒	recognition by SRP and a binding site in the ER protein translocator
☐	recognition by a binding site in the ER protein translocator
☐	recognition by ribosome
☐	recognition by an SRP in the cytosol

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Question # 2 of 10 (Start time: 10:30:31 AM, 13 December 2021)

Golgi apparatus also lies on the exit route from the _____

Select the correct option



Mitochondria



Ribosome



Nucleus



ER

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Question # 9 of 10 (Start time: 10:11:03 AM, 13 December 2021)

What is the diameter of microfilaments?

Select the correct option

☐	25 nm
☐	10 to 12nm
☐	12 to 15nm
☒	8nm

Attempted by Muhammad Kashif



Which of the following statements is true for endocytosis?

Select the correct option

☐	It is a form of passive transport.
☐	It does not require energy.
☒	It helps in the intake of large materials by the cell.
☐	It occurs without the help of any cell organelle.

Attempted by Muhammad Kashif



Heads of membrane phospholipids are -----

Select the correct option

☒	Polar Hydrophilic
☐	Non polar Hydrophilic
☐	Non Polar Hydrophobic
☐	Polar Hydrophobic

Attempted by Muhammad Kashif



Question # 4 of 10 (Start time: 10:07:37 AM, 13 December 2021)

Regions of ER that lack bound ribosomes are called _____.

Select the correct option

☐	RER
☐	Mitochondria
☐	Cytosol
☒	SER

Attempted by Muhammad Kashif



Question # 5 of 10 (Start time: 10:08:00 AM, 13 December 2021)

The Signal-Recognition Particle (SRP) consisting of six different polypept

Select the correct option

☒	small RNA molecule
☐	small DNA molecule
☐	large RNA molecule
☐	large DNA molecule

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Question # 6 of 10 (Start time: 10:08:57 AM, 13 December 2021)

In -----, smooth ER doubles in surface area during detoxification of both

Select the correct option

☐	Renal cells
☐	Epithelial cells
☒	Hepatocytes
☐	Cardiac cells

Attempted by Muhammad Kashif



15. Proteins that enter the ER and are destined for the Golgi apparatus are packaged in specialized regions of the ER called ER exit sites whose membrane lacks bound ___

Select the correct option

☒	Ribosomes
☐	Proteins
☐	Golgi Apparatus
☐	oligosaccharides

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Question # 2 of 10 (Start time: 10:06:16 AM, 13 December 2021)

In the golgi apparatus, the ERGIC53 protein serves as _____ for packaging some s

Select the correct option

☒	Receptor
☐	Inhibitor
☐	Chelator
☐	Adaptor

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ZOO505 - Cell and Molecular Biology (Quiz 1)

Question # 1 of 10 (Start time: 10:05:57 AM, 13 December 2021)

A network of fibers suspended through the cytoplasm is called:

Select the correct option

☐	flagella
☒	cytoskeleton
☐	Centrioles
☐	nucleic acid

Attempted by Muhammad Kashif



Question # 8 of 10 (Start time: 09:36:51 AM, 13 December 2021)

A network of fibers suspended through the cytoplasm is called:

Select the correct option

☐	nucleic acid
☐	flagella
☐	Centrioles
☒	cytoskeleton

Attempted by Muhammad Kashif



Question # 9 of 10 (Start time: 09:38:17 AM, 13 December 2021)

Signal-Recognition Particle (SRP) forms a complex with _____, for protein transloc

Select the correct option

☐	Plasma membrane
☐	Mitochondria
☒	Ribosome
☐	Nucleus

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Flagella and cilia are made up of which protein?

Select the correct option

☐	keratin
☐	lamin
☐	desmin
☒	tubulin

Attempted by Muhammad Kashif



Question # 7 of 10 (Start time: 09:36:07 AM, 13 December 2021)

Which factors helps to ensure that only appropriate proteins enter the lumen

Select the correct option

- | | |
|----------------------------------|--|
| ☒ | recognition by SRP and a binding site in the ER protein translocator |
| ☐ | recognition by a binding site in the ER protein translocator |
| ☐ | recognition by an SRP in the cytosol |
| ☐ | recognition by ribosome |

Attempted by Muhammad Kashif



200565 - Cell and Molecular Biology (Quiz 1)

Question # 6 of 10 (Start time: 09:34:30 AM, 13 December 2021)

What is the diameter of intermediate filaments?

Select the correct option

☒	8 to 11nm
☐	10nm
☐	25 nm
☐	10 to 12nm

Attempted by Muhammad Kashif



Question # 5 of 10 (Start time: 09:33:13 AM, 13 December 2021)

SRP-ribosome complex binds to the SRP receptor; this interaction brings the SRP

Select the correct option

☐	Endoplasmic Reticulum
☒	Protein translocator
☐	Ribosome
☐	Mitochondria

Attempted by Muhammad Kashif



Question # 2 of 10 (Start time: 09:30:52 AM, 13 December 2021)

Which give mechanical support to the cell and help to maintain its shape?

Select the correct option

☐	Cytoplasm
☒	Cytoskeleton
☐	Mitochondria
☐	Ribosomes

Attempted by Muhammad Kashif



The Golgi complex is a major site of ----- synthesis.

Select the correct option

☐	Proteins
☐	Enzymes
☐	Lipids
☒	Carbohydrate

Attempted by Muhammad Kashif



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Question # 4 of 10 (start time: 09:32:37 AM, 13 December 2021)

The ERGIC53 is a _____ that binds mannose on Factor V and Factor V vesicles in the ER.

Select the correct option

☐	Pectin
☐	Enzyme
☐	Nucleopeptide
☒	Lectin

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Question # 1 of 10 (Start time: 09:29:49 AM, 13 December 2021)

During ER transport, a luminal ER protein serves as a plug or that the translocator itself can r
_____ is bound.

Select the correct option

☐	Lysosome
☐	mRNA
☒	Ribosome
☐	Golgi complex

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