Student ID: 123456

Question 1

Attempted: Yes

Rubrics:

- The student correctly identified 'Stomach' as an Organ, but the term 'Organism' was incorrectly used instead of 'Organ'. : 1.0 marks
- The student incorrectly identified 'Man' as an Organism instead of an Organism. The correct term is 'Organism'. : 0.0 marks
- The student incorrectly identified 'Cylocose' instead of 'Glucose' as a Molecule. The correct term is 'Glucose'. : 0.0 marks
- The student incorrectly identified 'Riboflavin' instead of 'Ribosome' as an Organelles. The correct term is 'Ribosome'. : 0.0 marks

Presentation Score: 1.0

Feedback: The student's answer had several inaccuracies. The 'Stomach' was correctly identified as an Organ. However, the terms 'Man' as an Organism, 'Cylocose' as a Molecule, and 'Riboflavin' as an Organelles were incorrect. The correct terms are 'Organism', 'Glucose', and 'Ribosome' respectively. Additionally, the diagram provided does not match the expected diagram. The grammar penalty is low, so no marks were deducted for grammatical mistakes.

Total Marks: 1.0

Question 2

Attempted: Yes

Rubrics:

- Correctly identified the cell type as mostly unicellular and eukaryotic. : 1.0 marks
- Correctly stated that the nuclear envelope is present. : 1.0 marks
- Incorrectly described the cell wall as absent or made of materials other than cellulose. The cell wall is present in some forms and varies in type. : 0.0 marks
- Correctly described the mode of nutrition as photosynthetic, heterotrophic, or a combination of these. : 1.0 marks

Presentation Score: 1.0

Feedback: The student correctly identified the cell type, the presence of the nuclear envelope, and the mode of nutrition. However, there was an error in describing the cell wall, which should be present in some forms

and varies in type. The grammar penalty is low, so no marks were deducted for grammatical mistakes.

Total Marks: 3.0

Question 3

Attempted: Yes

Rubrics:

- Correctly identified the radiation type as beams of electrons. : 1.0 marks
- Correctly identified the type of lenses as magnetic. : 1.0 marks
- Incorrect magnification value. Expected 100 times greater than light, but stated up to 2 million times. : 0.0 marks
- Incorrect description of images. Expected 'TEM shows 2D while SEM shows 3D images', but stated 'TEM shows internal structure, SEM shows surface.' : 0.0 marks

Presentation Score: 1.0

Feedback: The student correctly identified the radiation type and the type of lenses. However, the magnification value and the description of the images were incorrect. The magnification should be 100 times greater than light, and the images produced by TEM and SEM should be described as 2D and 3D respectively.

Total Marks: 2.0

Question 4

Attempted: Yes

Rubrics:

- The student's definition of turgor is partially correct but lacks the mention of the pressure exerted by the cytoplasm against the cell wall. : 1.5 marks
- The student correctly identifies the importance of turgor in maintaining plant rigidity and structure. : 1.0 marks
- The student does not mention the role of turgor in aiding growth by cell expansion, which is partially correct but incomplete. : 0.5 marks

Presentation Score: 1.0

Feedback: The student's answer is partially correct but lacks some important details. The definition of turgor is partially correct but needs to mention the pressure exerted by the cytoplasm against the cell wall. The student correctly identifies some of the importance of turgor but misses other crucial points such as its role in stomatal movement and flower opening/closing. Grammar and spelling are acceptable.

Total Marks: 2.5

Question 5

Attempted: Yes

Rubrics:

- Correctly identified that prokaryotic cells lack a membrane-bound nucleus, while eukaryotic cells have one. : 1.0 marks
- Correctly identified that prokaryotic cells lack membrane-bound organelles, while eukaryotic cells have them. : 1.0 marks
- Incorrectly described the cell wall of prokaryotic cells as 'present (murin)' instead of 'made of peptidoglycan'. Correctly identified that eukaryotic cell walls are made of cellulose or chitin. : 0.5 marks
- Correctly identified that prokaryotic cells are smaller in size compared to eukaryotic cells. : 1.0 marks

Presentation Score: 1.0

Feedback: The student correctly identified the differences in the nucleus, membrane organelles, and size between prokaryotic and eukaryotic cells. However, there was an error in describing the cell wall of prokaryotic cells. Additionally, there were minor spelling and grammatical errors, but the penalty for these is low. Overall, the student demonstrated a good understanding of the topic but needs to improve on the accuracy of specific details.

Total Marks: 3.5

Question 6

Attempted: No

Question 7

Attempted: No

Question 8

Attempted: No

Question 9

Attempted: No

Question 10

Attempted: No

Question 11

Attempted: No

Question 12

Attempted: No

Question 13

Attempted: No

Question 14

Attempted: Yes

Rubrics:

- The student correctly describes the mitochondrial enzyme as intracellular, but the explanation is incomplete and lacks detail compared to the answer key. : 2.0 marks
- The student correctly describes the synthesis of ATP, but the description is brief and lacks some details present in the answer key. : 0.8 marks
- The student did not provide a diagram for the synthesis of ATP. : 0.0 marks
- The student correctly describes the breaking of ATP, but the description is brief and lacks some details present in the answer key. : 0.8 marks
- The student did not provide a diagram for the breaking of ATP. : 0.0 marks

Presentation Score: 1.0

Feedback: The student correctly identified that mitochondrial enzymes are intracellular and provided a brief description of the ATP-ADP cycle. However, the explanations were incomplete and lacked some details present in the answer key. Additionally, the student did not provide the required diagrams for the synthesis and breaking of ATP. Correcting these points will improve the overall understanding and presentation of the topic.

Total Marks: 3.6

Question 15

Attempted: Yes

Rubrics:

- Correctly identified frequent, watery, loose bowel movement as symptoms of diarrhea. : 1.0 marks
- Identified bacterial infection and contaminated water/food as causes, but missed viral or parasitic infection. : 0.5 marks
- Mentioned safe drinking and hygiene as prevention methods, but missed sufficient amounts of clean water

and food. : 0.5 marks

- Correctly described atherosclerosis as the hardening of arteries due to fatty deposits and mentioned risk factors and complications. : 2.0 marks

- Correctly described arteriosclerosis as the hardening of arteries due to calcium deposition and mentioned inflexibility and increased heart workload. : 2.0 marks

Presentation Score: 1.0

Feedback: The student correctly identified most of the symptoms, causes, and descriptions of atherosclerosis and arteriosclerosis. However, there were some missing details in the causes and prevention of diarrhea. The diagram was not provided or not visible, so it could not be evaluated.

Total Marks: 5.5