CARMEL SCHOOL, MADHUPUR FIRST UNIT TEST 2025 – 2026 GEOGRAPHY

Time: 1 hr STD: IX M.M: 50 [10] On the outline map of the world mark and label the following:-Q.No.I 1. Nile, Amazon, Rivers: Indus 3. Latitudes: Tropic of Capricorn, Equator, Tropic of Cancer 4. Mountain: Atlas, Andes, Alps, Pyrenees Q.No.II Name them:-[5] 1. A giant cloud of dust and gas in space. 2. The motion of the Earth which causes change in seasons. Perihelion occurs on 4. Distance between the Earth and the Sun during Aphelion. 5. Largest of the terrestrial planet. Q.No.III [12] Explain why:-1. The Earth is not a perfect sphere. 2. The Earth is called a blue planet. Winds get deflected from their normal path. 3. 4. Noon is hotter than morning. The speed of rotation at Singapore is much faster than that at Tokyo or Russia. 5. Days and nights are equal at all places on the Earth on 21st March. 6. [14] Q.No.III Answer the following:-Name one effect of earth's rotation and revolution. 1. When do Summer and winter solstices and Equinoxes takes place? 2. Give one proof about the shape of the Earth. 3. Name one planet that cannot support life. Give reason for your answer. 4. Define Aphelion 5. State two special features of summer solstice. 6. What is an orbit? 7. Distinguish between the following:-[5] O.No.IV 1. Solstice and Equinox 2. Rotations and Revolution Q.No.V Draw a neat and labeled diagram of:-[4] Phenomenon of day and night 1.

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2.

Different realms of the Earth.

CARMEL SCHOOL, MADHUPUR

FIRST UNIT TEST 2025 – 2026

STD: IX		Time: 1 h
	GEOGRAPHY	M.M: 50
Q.No.I	On the outline map of the world mark and label the following:-	[10]
1.	Rivers: Nile, Amazon, Indus	
3.	Latitudes: Tropic of Capricorn, Equator, Tropic of Cancer	
4.	Mountain: Atlas, Andes, Alps, Pyrenees	
Q.No.II	Name them:-	[5]
1.	A giant cloud of dust and gas in space.	
2.	The motion of the Earth which causes change in seasons. Perihelion of	ccurs on
4.	Distance between the Earth and the Sun during Aphelion.	
5.	Largest of the terrestrial planet.	
Q.No.III	Explain why:-	[12]
1.	The Earth is not a perfect sphere.	
2.	The Earth is called a blue planet.	
3.	Winds get deflected from their normal path.	
4.	Noon is hotter than morning.	
5.	The speed of rotation at Singapore is much faster than that at Tokyo o	r Russia.
6.	Days and nights are equal at all places on the Earth on 21 st March.	
Q.No.III	Answer the following:-	[14]
1.	Name one effect of earth's rotation and revolution.	
2.	When do Summer and winter solstices and Equinoxes takes place?	
3.	Give one proof about the shape of the Earth.	
4.	Name one planet that cannot support life. Give reason for your answer	
5.	Define Aphelion	
6.	State two special features of summer solstice.	
7.	What is an orbit?	
Q.No.IV	Distinguish between the following:-	[5]
1.	Solstice and Equinox	
2.	Rotations and Revolution	
Q.No.V	Draw a neat and labeled diagram of:-	[4]
1.	Phenomenon of day and night	
2.	Different realms of the Earth.	

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CARMEL SCHOOL, MADHUPUR FIRST UNIT TEST 2025 – 2026

STD: X Time: 1 hr ENGLISH - I M.M: 50 Q. No. I Write a composition (200 – 250 words) on any one of the following. (15)a) Write a short story which begins with 'I do not believe in ghosts.....' b) Imagine that you become invisible for a day. Describe your day. c) 'Zoos must be abolished for the welfare of animals.' Express your views either for or against this d) Narrate an incident in which somebody challenged you and you accepted it. What was the outcome? (10)Q. No.II. Select any one of the following: You are suffering from chicken pox. Write an application to your principal requesting him/her to grant you leave for two weeks. Write a letter to your friend inviting him/her to join you during the summer vacation for a summer b) camp, where you would stay just outside a reserve forest. Q. No.III. a) Your school is organizing an 'On the Spot Painting Competition' on the occasion of Earth Day in the school lawns. As the Head Boy/Head Girl of your school, draft a notice to be displayed on the school notice board asking the students of classes IX and X to submit their names for the (5) Write an e-mail to a renowned painter requesting him/her to judge the 'On the Spot Painting b) (5) Competition' to be held in your school. (10)Fill in the blanks with appropriate words. Q. No.IV She has named her children Indian cricketers. a) At the sight of his former tenant, he flew ___ a rage. b) During the president's visit, the entire area was cordoned c) The actors were seen hanging in the town. d) the river Hooghly. A bridge was built _ e) 2:00 PM. Zohran has been sleeping ___ f) dinner tomorrow night. Please accept my invitation g) He entered the church and bowed the altar. h) much trouble. His timely help saved us i) The chairman is sitting the Director. j) Join the following sentences to make one complete sentence without usingand, but or so. Choose II. the correct option. 1. The machine is very heavy. The small truck cannot carry it. a) The machine is very heavy for small truck. b) The machine is too heavy to be carried by a small truck. c) The machine being too heavy, to be carried by a small truck. d) The truck being heavywill not carry the small machine. 2. Rahul is an opportunist. His brother is also one. Rahul with his brother can be opportunist. a) Rahul as well as his brother is an opportunist. c) b) Rahul as well as his brother are opportunists. d) Rahul with his brother are opportunistic. 3. Arun is quite good at French. He can do this exercise. a) Arun is quite good at French, yet he can do this exercise. b) Arun's French is not good to do this exercise. c) Arun can do this exercise as he is quite good at French. d) Arun is able for this exercise being good at French. 4. Raman is very ill. He cannot play football. a) Raman cannot play football as he is very ill. c) Football cannot be played as Raman is very ill. Raman cannot play football for his illness. b) If Raman cannot play football, he is very ill. d) 5. We met somebody. He had been to Australia. a) We meet somebody as he had been to Australia. b) We meet somebody who was in Australia. c) We met somebody who had been to Australia. d) We met somebody for he have been to Australia.

CARMEL SCHOOL, MADHUPUR FIRST UNIT TEST 2025 – 2026

Time: 1 hr STD: X M.M: 50 **BIOLOGY** Attempt all questions from this section. [5] Q.No.I Choose the correct option from the following:-Light reaction takes place in the Grana b. Stroma c. Mitochondria d. cytoplasm 2. Grana is the pile of Stoma b. Stroma c. Fret d. Thylakoid a. In a flaccid cell, what will be zero? Suction pressure. b. Osmotic pressure. c. Diffusion pressure. d. Wall pressure. 4. Colour of Cobalt chloride paper in dry state is Red b. Yellow. c. Pink d. Blue a. Assertion (A): Dried raisins when left in plain water for sometimes swell due to osmosis. Reason (R): Plant cells have a selectively permeable cell membrane. A is True and R is False (b) A is False and R is True (a) Both A and R are False Both A and R are True (d) (c) [5] Fill in the blanks :-Q.No. II 1. Root hair is is used to absorb carbon dioxide. 2. is also called as anti-transpirant. 3. More transpiration occurs by _____ surface of leaf. 4. is used to check the presence of starch. 5. [5] Write the functional activity against each of the following:-Q.No. III 4. Xylem & ____ Hydathodes & 1. 5. Lenticels & Chloroplast & ____ 2. Leaf spines&_ 3. Draw a neat and labeled diagram of section of chloroplast:-[5] O.No. IV [5] Write the full form of the following abbreviations:-O.No. V 5. DNA RUBP 3. RNA 4. ATP NADP 2. (SECTION B= 25 Marks) [Attempt only 2 sets from the following sets] [21/2] Explain the term active transport. Q.No. VI (i) What are these tiny openings called? a) Name the cells that regulate the opening and closing of the:structures. (b) Which ion is responsible for the opening and closing of these openings? (c) Name the structures through which Transpiration and Guttation occur in a plant. [2] (ii) How does the rate of Transpiration differ when there is: (iii) High humidity High temperature (b) [P.T.O]

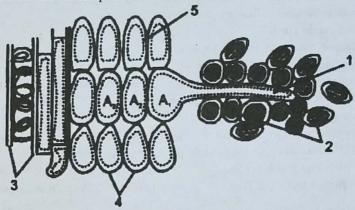
Write the overall chemical equation for Photosynthesis. (iv) Sam observed a slide containing the lower epidermis of a leaf under a microscope. A number of (v)

tiny openings between the epidermal cells were present as shown below in the diagram:

[21/2] Define plasmolysis Q.No. VII [3]

Differentiate between:-(ii) [3] Guttation and bleeding. Endosmosis and Exosmosis (a) (b)

The figure given below is a diagrammatic representation of a part of root hair zone, study the (iii) diagram and answer the questions that follow:-



Is the root hair unicellular or multicellular? (a)

Name the process responsible for the entry of water molecules from the soil into root hair. (b)

What pressure is responsible for the movement of water in the direction indicated by arrows? (c)

Give one example of passive transport. (d)

A potted plant was taken in order to prove a factor necessary for photosynthesis. The Q.No. VIII potted plant was kept in the dark for 24 hours. One of the leaves was covered with black paper in the centre. The potted plant was then placed in sunlight for a few hours. [6]

What aspect of photosynthesis was being tested?

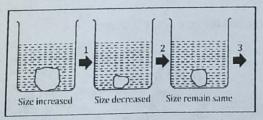
Why was the plant placed in the dark before beginning the experiment? (ii)

During the starch test, why was the leaf (iii)

boiled in methylated spirit boiled in water (2)(1)

Write the use ofturgour pressure in plants . (iv)

a. A candidate in order to study the process of osmosis has taken 3 potato cubes and put them in 3 different beakers containing 3 different solutions. After 24 hours, in the first beaker the potato cube increased in size, in the second beaker the potato cube decreased in size and in the third beaker there was no change in the size of the potato cube. The following diagram shows the result of the same. experiment



Give the technical terms of the solutions used in beakers, 1, 2 and 3. (i)

In beaker 3, the size of the potato cube remains the same. Explain the reason inbrief. (ii)

Write the specific feature of the cell sap of root hairs which helps in absorption of Water? (iii)

What is osmosis? (iv)

How does a cell wall and a cell membrane differ in their permeability? (v)

A potted plant was taken in order to prove a factor necessary for photosynthesis. The potted plant b) was kept in the dark for 24 hours. One of the leaves was covered with black paper in the centre. The potted plant was then placed in sunlight for a few hours.

What aspect of photosynthesis was being tested? (ii)

Why was the plant placed in the dark before beginning the experiment? (ii)

During the starch test, why was the leaf (iii)

boiled in methylated spirit boiled in water (2) (1)

Write the use ofturgour pressure in plants . (iv)

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