

M.M: 50

GEOGRAPHY

1. Rivers: Nile, Amazon, Indus
3. Latitudes: Tropic of Capricorn, Equator, Tropic of Cancer
4. Mountain : Atlas, Andes, Alps, Pyrenees

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.

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 or Russia.
6. Days and nights are equal at all places on the Earth on 21st March.

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?

1. Solstice and Equinox
2. Rotations and Revolution

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

BIOLOGY

Time: 1 hr
M.M: 50

Attempt all questions from this section.

Q.No. I Choose the correct option from the following:-

[5]

1. Light reaction takes place in the
a. Grana b. Stroma c. Mitochondria d. cytoplasm
2. Grana is the pile of
a. Stoma b. Stroma c. Fret d. Thylakoid
3. In a flaccid cell , what will be zero?
a. Suction pressure. b. Osmotic pressure. c. Diffusion pressure. d. Wall pressure.
4. Colour of Cobalt chloride paper in dry state is
a. Red b. Yellow. c. Pink d. Blue
5. 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) A is True and R is False | (b) A is False and R is True |
| (c) Both A and R are True | (d) Both A and R are False |

Q.No. II Fill in the blanks :-

[5]

1. Root hair is _____.
2. _____ is used to absorb carbon dioxide.
3. _____ is also called as anti-transpirant.
4. More transpiration occurs by _____ surface of leaf.
5. _____ is used to check the presence of starch.

Q.No. III Write the functional activity against each of the following :-

[5]

- | | |
|------------------------|----------------------|
| 1. Hydathodes & _____ | 4. Xylem & _____ |
| 2. Chloroplast & _____ | 5. Lenticels & _____ |
| 3. Leaf spines & _____ | |

Q.No. IV Draw a neat and labeled diagram of section of chloroplast:-

[5]

Q.No. V Write the full form of the following abbreviations :-

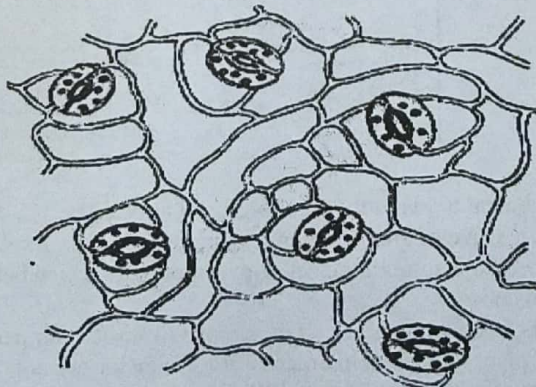
[5]

- | | | | | |
|---------|---------|--------|--------|--------|
| 1. NADP | 2. RUBP | 3. RNA | 4. ATP | 5. DNA |
|---------|---------|--------|--------|--------|

(SECTION B= 25 Marks) [Attempt only 2 sets from the following sets]

Q.No. VI (i) Explain the term active transport.

[2½]



- a) What are these tiny openings called?
- (b) Name the cells that regulate the opening and closing of the structures.
- (c) Which ion is responsible for the opening and closing of these openings?
- (ii) Name the structures through which Transpiration and Guttation occur in a plant. [2]
- (iii) How does the rate of Transpiration differ when there is :
(a) High temperature (b) High humidity

[P.T.O]

