Instructions:

1. Part A to be done in the Question Paper.
2. Part B to be done in the Answer Sheet.
3. Read the questions carefully and attempt all.
4. Read your paper thoroughly before submission.

Part – A

Q1 Fill in the blanks :-

(1/2 x 10 = 5 Marks)

1) The cockroach sheds its skin several times and this process is called
   _______________________

2) The eggs of a fish are called ____________________.

3) Reptiles like _________________ lays their eggs on the ground.

4) ____________________ is the most beautiful planet with rings around it.

5) A ________________ is a heavenly body that revolves around a planet.

6) Each planet moves around the sun on its own path called _____________.

7) The arrangement of ________________ differs in different states of matter.

8) The liquid we get when a solute is dissolved in a solvent is called _____________

9) A baby cockroach is called a _________________.

10) Halley’s comet is seen after every ________________ years.

5
Q.II Choose the correct answers: (1/2 x 6 = 3 Marks)

1) The ___________ change is a temporary change.
   a) physical       b) mechanical    c) chemical

2) The ___________ of the earth on its axis causes day and night.
   a) revolution     b) rotation      c) communication

3) The groups of stars forming shapes of an animal or a person in the sky is called ___________.
   a) Solar system   b) Equator       c) Constellations

4) Sugar and salt are ___________ in water.
   a) soluble       b) insoluble     c) solvent

5) People who travel to space are called ___________.
   a) scientists    b) astronauts    c) clerk

6) Poles are the ___________ places on the earth.
   a) normal       b) hottest       c) coldest

Q.III Write ‘True’ or ‘False’ (1/2 x 8 = 4 Marks)

1) Cockroaches hide their eggs in dark corner. ___________

2) The baby frog that comes out of an egg is called fry. ___________

3) Oil does not dissolve in water. ___________

4) Neptune is the coldest planet. ___________

5) Molecules are constantly moving in solids. ___________

6) The mantle consists of molten rocks called magma. ___________

7) The spinning of the earth on its own axis is called revolution. ___________

8) Stars burn to produce their own heat and light. ___________
Q.IV Encircle the correct answers from the grid and colour it. (1/2x10 = 5)

1) It has definite volume but not definite shape. ________________

2) Heating and cooling of water is a ________________ change.

3) The Land of Midnight Sun ________________

4) The movement of the earth around the sun is called ________________.

5) The imaginary line that runs through the centre of the earth ________________

6) The planet farthest from the sun. ________________

7) The hot molten rock in volcano ________________

8) Revolution causes ________________.

9) A solid substance which dissolve in a liquid. ________________

10) The vast and limitless region beyond the earth's atmosphere is called ________________.

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Q.V Match the following: (1/2 x 6 = 3 Marks)

a) Satellites  solids
b) Molecules are very closely packed Intermolecular space
c) Outermost layer of the earth gills
d) Space between the molecules communications
e) Mercury crust
f) Tadpoles smallest planet

Q.VI Name the following: - (1/2 x 6 = 3 Marks)

1) Animals that give birth to young ones and produce milk to feed them.
   __________________________

2) The first artificial satellite that was launched by the Russians on 4th Oct 1957.
   __________________________

3) The other name of the constellation 'The Big Dipper'.
   __________________________

4) The upper half between the Equator and the North Pole is the ______________________

5) The gas which is dissolved under pressure in soda water or any soft drink.
   __________________________

6) An imaginary line that runs through the centre of the earth from the North Pole to the South Pole is ______________________.

Q.VII Identify the following diagrams and answer accordingly (1/2 x 6 = 3)

1. __________ (Name of the Country) first artificial satellite __________ was launched on 19th April 1975.
2. Name the other two states of water in the blanks given above.

3. Identify the stages in the lifecycle of butterfly and fill in the blanks.
(ANSWERS TO BE WRITTEN IN THE ANSWER SHEET)

Q.1 Define the following terms:-(Any 3) \( 1 \times 3 = 3 \)
   1) Solar System
   2) Matter
   3) Comets
   4) Solution

Q.2 Answer the following questions:-(Any 4) \( 2 \times 4 = 8 \)
   1) How does the moon shine?
   2) Why do liquids flow?
   3) Name the three layers of the earth.
   4) Why does the sun appear to rise in the east and set in the west?
   5) How much time does the earth take to revolve around the sun? What does it cause?

Q.3 Give Reasons :- \( 2 \times 2 = 4 \)
   1) Burning of wood and paper is a chemical change.
   2) The places near the equator are always hot.
   3) Bubbles can be seen coming out when a bottle of soda water is opened.

Q.4 Differentiate between the following :- (Any 2) \( 3 \times 2 = 6 \)
   1) A star and a planet.
   2) Solute and solvent.
   3) Rotation and revolution.

Q.5 Long answer questions:-(Any 1) \( 3 \times 1 = 3 \)
   1) What are constellations? Give one eg.
   2) Write any three uses of artificial satellites.