

*Name of the student:* ..... *Date:*...../...../.....

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**Email me by answering the following questions—**

❖ **Chapter-01: Lesson on Life**

- 1) Why is embryology physical branch of biology?
- 2) Why is entomology applied branch of biology?
- 3) How is Spirogyra more developed than blue green algae? —Explain.

❖ **Chapter-02: Cell and Tissue of Organism**

- 1) How does centriole help in cell division?
- 2) What is epithelial tissue? Write down the classification of epithelial tissue with example.
- 3) The structure of heart muscle is like that of voluntary muscle and the function is like that of involuntary muscle. —Explain.

❖ **Chapter-03: Cell Division**

- 1) How does a zygote develop to a complete organism?
- 2) What would have happened if mitosis had not occurred?
- 3) How does a human baby acquire the same number of chromosomes as its parents?
- 4) Write down the difference between haploid and diploid.
- 5) Write down the difference between karyokinesis and cytokinesis.

❖ **Chapter-04: Bioenergetics**

- 1) Write three differences between phosphorylation and dephosphorylation.
- 2) Write three differences between light phase and dark phase of photosynthesis.
- 3) Why do leaves act as the sites for photosynthesis?
- 4) How are 38 ATP produced?
- 5) Write three differences between photosynthesis and respiration.

❖ **Chapter-05: Food, Nutrition and Digestion**

- 1) What is mineral nutrient? Write down the difference between macro and micro nutrients of plant.
- 2) Write down Fe, S, Cl, N, P, Mn & Mo deficiency symptoms of plants.