**BANGLADESH INTERNATIONAL TUTORIAL**

**BIOLOGY (Class –IX)**

**UTTARA AND GULSHAN SECTION**

WORK SHEET 01

Week 01

1. What is double circulation? Draw a labeled diagram of double circulation.
2. What is cardiac cycle? Explain the cardiac cycle with labeled diagram.
3. Explain how the heart rate is controlled.

Week 02

1. What is reflex action? Draw a simple reflex arc.
2. Write three differences between exocrine and endocrine glands.
3. Explain how blood glucose is regulated by the body?

Week 03

1. Draw and explain the structure of a nephron.
2. Write the functions of loop Henle.
3. What are synapses? How does it work?

**BANGLADESH INTERNATIONAL TUTORIAL**

**HUMAN BIOLOGY (CLASS-IX)**

**UTTTARA AND GULSHAN SECTION**

WORK SHEET 01

Week 01

1. Describe the structure of DNA.
2. Write the difference between transcription and translation
3. What is inhibitor? Write the difference between competitive and noncompetitive inhibitors

Week 02

1. What is calorimeter? Write the structural modifications of calorimeter.
2. What is BMI? Explain the process how to calculate BMI.
3. Explain the long and short sight problem of eyes.

Week 03

1. Draw a labeled diagram of motor neuron.
2. Define neurotransmitter.

**BANGLADESH INTERNATIONAL TUTORIAL**

**HUMAN BIOLOGY (CLASS-VIII)**

**UTTTARA AND GULSHAN SECTION**

WORK SHEET 01

Week 01

1. Define aerobic and anaerobic respiration with equation.
2. What is ventilation? Describe the process of ventilation.

Week 02

1. Describe the control of breathing rate.
2. Write down the symptoms of Bronchitis and Emphysema.

Week 03

1. Describe the process of gas exchange in alveoli.
2. Define the following:
   * 1. Oxygen debt
     2. Tidal volume