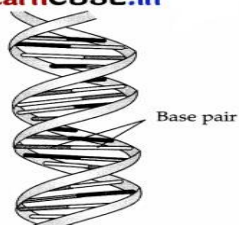
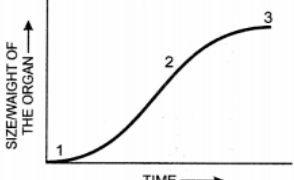


**BCM SCHOOL BASANT AVENUE DUGRI ROAD, LUDHIANA**  
**XI BIOLOGY**  
**ASSIGNMENT**

<b>1</b>	<b>A hormone responsible for normal sleep-wake cycle is:          (A) Epinephrine (B) Gastrin (C) Melatonin (D) Insulin</b>
<b>2</b>	<b>Knee joint and elbow joints are examples of: (1)          (A) Saddle joint (B) Ball and socket joint (C) Pivot joint (D) Hinge joint</b>
<b>3</b>	<b>Assertion (A): Glucagon is known as a hyperglycemic hormone. (1)          Reason (R): Glucagon stimulates the liver to convert stored glycogen into glucose and increases the level of blood glucose.</b>
<b>4</b>	<b>A student got injured someday. He took the medicine from the doctor and got cured. He wonders that how medicine got to know where to act. He asks the doctor about the reason. What could be the possible reason according to you?</b>
<b>5</b>	<b>Enzymes are biological catalysts which accelerate chemical reactions. They are essential for different physiological processes. They are proteins that helps to speed up the process of metabolism.</b> <b>(a)</b> <b>(i) Name the enzyme that catalyses carboxylation as well as oxygenation reaction.</b> <b>(ii) In which cell organelle is this enzyme found?</b> <b>(b) In what way is that organelle different in the mesophyll and bundle sheath cells ?</b>
<b>6</b>	<b>(a) What are the various types of nitrogenous bases found in DNA? (3)</b> <b>LearnCBSE.in</b>  <b>(b) Name the type of bond seen between –</b> <b>(i) two nitrogen bases of DNA and</b> <b>(ii) phosphate and hydroxyl group of sugar of DNA.</b>
<b>7</b>	<b>LearnCBSE.in</b>  <b>(a) In the figure of the sigmoid growth curve given below, label segments 1,2 and 3. (3)</b> <b>(b) Define 1,2 and 3.</b>