

**CHINMAYA INTERNATIONAL RESIDENTIAL SCHOOL  
COIMBATORE**

**SAMPLE PAPER – 2010**

**CLASS : 11 CBSE**

**SUBJECT: BIOLOGY**

1. The gummy substance 'algin' used to thicken ice cream, cosmetics and shaving cream, is obtained from:

- A. Red algae
- B. Blue – green algae
- C. Kelps
- D. Green algae

<b>ANSWER</b>	
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2. A cell with a diploid number of 18 chromosomes undergoes meiosis. What will be the product at the end of meiosis?

- A. 2 cells with 9 chromosomes each
- B. 4 cells with 18 chromosomes each
- C. 2 cells with 18 chromosomes each
- D. 4 cells with 9 chromosomes each

<b>ANSWER</b>	
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3. If a solution outside a cell is made more concentrated so that the cell loses water to its environment and shrinks, the external solution is said to be \_\_\_\_\_ to the cell contents.

- A. Hypotonic
- B. Hypertonic
- C. Isotonic
- D. In equilibrium

<b>ANSWER</b>	
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4. The ozone layer is important to life on earth as it blocks out harmful rays from the Sun. This harmful solar radiation is also known as

- A. Gamma radiation
- B. Bacterial action
- C. Photosynthesis
- D. Lightning

<b>ANSWER</b>	
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5. Saline is given to a person suffering from cholera because

- A. It causes lysis of bacterial cell wall
- B. Cholera results in severe diarrhea leading to loss of salts
- C. Both above
- D. Saline helps to produce antitoxins

<b>ANSWER</b>	
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6. The following is a description of two enzymes secreted by the digestive glands of the human digestive system.

E1	E2
(i) Secreted in the stomach	(i) Secreted into the duodenum
(ii) Needs an acidic medium (pH 1-2) for optimum activity	(ii) Needs an alkaline medium for optimum activity.
(iii) The inactive form is activated by HCl	(iii) Inactive form is activated by enterokinase

Which of the following shows the correct names of the enzymes?

- A. E1 = Amylase, E2 = Pepsin
- B. E1 = Pepsin, E2 = Amylase
- C. E1 = Pepsin, E2 = Trypsin
- D. E1 = Trypsin E2 = Pepsin

<b>ANSWER</b>	
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