



LAWRENCE COLLEGE, MURREE

PREPARATORY SCHOOL

Assignment # 2

Class 7 A,B,C

General Science

Name: _____ Sec: _____ House: _____

Due Date: 25-03-2020

Page: 02 – 06

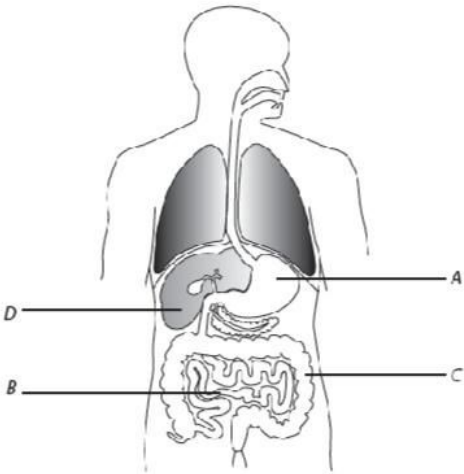
Max Marks: 20

Note: Read the content given in the book from page 02 to 06 carefully. Answer the questions given below.

1. How well do you know the parts of the digestive system and their function?
Match the names in column A with the correct function in column B.

A. Parts of the digestive system	B. Functions
Gullet or esophagus	Mixes food with saliva
Tongue	Absorbs water
Stomach	Stores bile
Large intestine	Pushes food into the stomach
Liver	Produces insulin and enzymes
Pancreas	Produces hydrochloric acid
Salivary glands	Store faeces
Small intestine	Produces salivary amylase
Gall bladder	Absorbs digested food
Rectum	Produces bile

2. Diagram



- a. The picture above shows a diagram of the human digestive system.

What are the names of the organs A, B, C and D?

- b. Put the correct letter next to the job or function of each organ.

- i. This organ has muscular walls to churn up the food.

- ii. This organ is where the last stage of digestion occurs and water is absorbed back into the body. _____
- iii. This large organ produces bile which is stored in the gall bladder.

- iv. The digested food here is in the form of small molecules than can pass through the wall of this organ into the bloodstream.

- c. i. The body produces special chemicals to help digest the food. What are they called?

- ii. One of these chemicals is produced by glands in the mouth. What is the name of the liquid that contains this chemical?

- iii. What does the chemical in this liquid do?

For any assistance you can contact us: lcggrizwan@gmail.com (Section B)
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PREPARATORY SCHOOL

Assignment # 3

Class 7 A,B,C

General Science

Name: _____ Sec: _____ House: _____

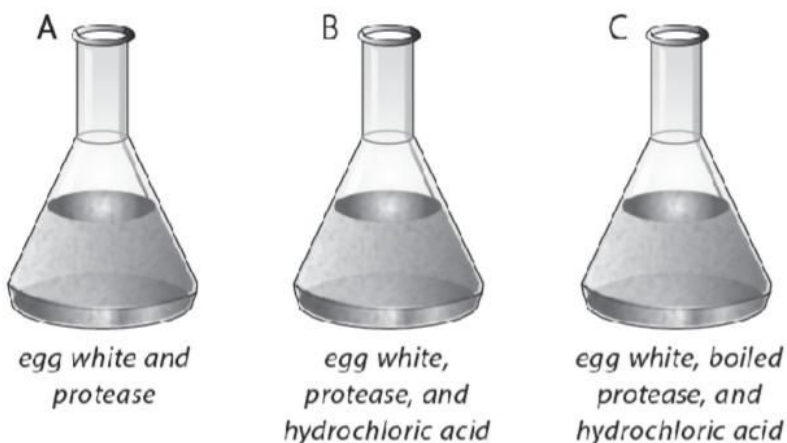
Due Date: 27-03-2020

Page: 02 – 06

Max Marks: 20

Note: Read the content given in the book from page 11 to 15 carefully. Answer the questions given below.

1. A scientist wanted to know what the best conditions for the digestion of proteins are. He used three glass flasks, each containing some egg white to provide the protein. The egg white made the liquid in the flasks go cloudy. To each flask he added a chemical, called protease, obtained from the human stomach. The diagrams below show what was in each flask.



- i. After six hours, the liquid in flask B was clear and not cloudy. What do you think had happened?
- ii. What type of substance is protease?
- iii. What effect does boiling have on the activity of the protease?
- _____
- iv. All the flasks were kept at 37 °C. Why was this?
- _____
- v. What does this experiment tell you about the conditions needed to digest protein?

vi. Where in the body would you find conditions like those in flask B?

vii. During digestion what are proteins broken down into?

viii. Relate this simple experiment with the complex process of digestion taking place in your stomach.

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PREPARATORY SCHOOL

Assignment # 4

Class 7 A,B,C

General Science

Name: _____ Sec: _____ House: _____

Due Date: 29-03-2020

Page: 02 – 07

Max Marks: 20

Note: Read the content given in the book from page 02 to 07 carefully. Answer the questions given below.

1. Name the seven groups of food that are needed for a healthy and balanced diet.

2. Why do we need to digest our food? What are the two ways in which food is broken down during digestion?

3. Glucose molecules do not have to be digested. Starch molecules do. Explain this difference.

4. Our bodies cannot digest fibre (cellulose). Why is it still important in our diet?

5. You ate a chicken sandwich for lunch. The bread contains mainly starch, while the butter is mostly fat. The chicken is mainly protein. Describe how

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