



ACADEMIC WORLD SCHOOL™

BEMETARA

SUMMER VACATION ASSIGNMENT

SESSION 2020-21

CLASS: X

SUBJECT- SCIENCE (BIOLOGY)

General Instructions:

(i) Answer the questions in the notebook.

(ii) Draw the diagram wherever necessary.

- 1) When is blood clotting useful? In a flow chart illustrate the major events involved in blood clotting?
- 2) The PH of the mouth of a person is lower than 5.5. What changes will occur in the mouth? How can these changes be controlled? Write any two measures.
- 3) Assume you are a veterinary doctor and you have removed a good length of small intestine of a bear that was suffering from intestinal tumour. Now would you suggest a plant based or a meat based diet for the bear after recovery? Give reason for your suggestion?
- 4) Name three different glands associated with digestive system in human. Also name their secretion.
- 5) The upward movement of water normally requires a pump in our houses but in tall trees water rises up without any external support. Explain the mechanism.
- 6) Draw a diagram of human respiratory system and label it
 - (i) part where air is filtered by fine air and mucus
 - (ii) part which terminates in balloon like structure
 - (iii) balloon like structure where exchange of gases takes place
 - (iv) part which separate chest cavity from abdominal cavity
- 7) Explain the structure of kidney with the help of labelled diagram.
- 8) a. Draw a neat diagram of section of human heart.
b. How the blood circulates in human body?
- 9) Explain the major steps involved in the mechanism of urine formation with the help of diagram.
- 10) What would be the consequences of deficiency of haemoglobin in our bodies?