**SAINIK SCHOOL GOPALGANJ**

**SUMMER VACATION PROJECT/ APPLICATION BASED ASSIGNMENT(2021-22)**

**CLASS: X**

**Part II**

**ASSIGNMENT**

**GENERAL SCIENCE (BIOLOGY)**

**Chapter-Life Processes- 1. Nutrition Class-X**

***General Instructions***

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*1. All questions are compulsory.*

*2. Question1 to 8 is multiple choice questions.*

*3. Question 9 is fill in the blanks questions.*

*4. Question 10 to 13 is short answer questions.*

*5. Question 14 is long answer questions.*

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1. Which is the first enzyme that gets mixed with food in the digestive tract?

(a) Pepsin (b) Cellulose (c) Trypsin (d) Amylase

2. Where bile is produced?

(a) Gall bladder (b) Blood (c) Liver (d)Spleen

3. Pepsin digests

(a) Protein in stomach (b) Carbohydrate in duodenum

(c) Fat in ileum (d) Protein in duodenum

4. Movement of food through the esophagus is due to

(a) Lubrication by saliva (b) Peristalsis

(c) Gravitational pulls (d) All of these

5. Chlorophyll is present

(a) In the stroma of chloroplast (b) On the surface of chloroplast

(c) Stacks of thylakiod (d) None of these

6. Complete digestion of food takes place in

(a) Gall bladder (b) Large intestine (c) Liver (d)Small intestine

7. Lipase converts the fat into

(a) Fatty acid and glycerol (b) Fatty acid and Glucose

(c) Amino acid and glycerol (d) None

8. The opening and closing of the stomatal pore depends upon.

(a) Temperature (b) Oxygen

(c) Concentration of CO2 in stomata (d) Water in guard cells

9. Fill up the blanks:

(i).................... Organisms feed on dead, decaying matter.

(ii) The process of breakdown of water in plants during photosynthesis is called.....................

(iii) 6CO2 + 12H2 O → \_\_\_\_\_\_\_+ 6H2 O + 6O2

10. Why the number of stomata is more on the lower surface of the leaf as compared to the upper surface? Give reason.

11. What are the differences between dark reaction and light reaction?

12. What is the role of saliva in digestion?

13. What do you mean by heterotrophic mode of nutrition?

14. (i)Draw a diagram of human alimentary canal.

(ii)Label esophagus, liver, pancreas, gall bladder, and duodenum.

(iii)Name any three enzymes secreted by pancreas.

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