

Name: _____						
Subject: Biology		Class: 9 th		Time: 60 minutes		
Chapter No.8		MJDexpert.com			Total Marks:	30
					Obtained marks	

Objective Section

Q.1 Encircle the correct answer. (10x1=10)

1. What are the primary nutrients that provide quick useable energy to the body?
A) Carbohydrates B) Proteins C) Lipids D) Nucleic Acids
2. Which group of enzymes breaks up starches and other carbohydrates?
A) Proteases B) Lipases C) Amylases D) None of these
3. Rickets in children is a deficiency symptom of:
A) Vitamin D B) Vitamin B C) Vitamin A D) Vitamin C
4. Where are villi found?
A) Liver B) Stomach C) Small intestine D) Oesophagus
5. Scurvy is caused by the deficiency of which vitamin?
A) A B) C C) D D) K
6. In the stomach, pepsinogen is converted into:
A) Pepsin B) HCl C) Bicarbonate D) Gastrin
7. The process of grinding food with the help of teeth in the oral cavity is called:
A) Lubrication B) Mastication C) Ingestion D) Defecation
8. One gram of lipid contains energy:
A) 4 kcal B) 5 kcal C) 6 kcal D) 9 kcal
9. In an adult human, the liver weighs about:
A) 2.5 kg B) 1.5 kg C) 3 kg D) 2 kg
10. Which disease is caused by the deficiency of iodine?
A) Anemia B) Goiter C) Scurvy D) Rickets

Subjective Section

Q.No.2 Write short answers to any six of the following parts. (6x2=12)

- i. Differentiate between autotrophs and heterotrophs.
- ii. What is scurvy? Write its symptoms.
- iii. Differentiate between digestion and ingestion.
- iv. Differentiate between macronutrients and micronutrients.
- v. Write down the sources and deficiency symptoms of vitamin A.
- vi. Differentiate between saturated and unsaturated fatty acids.
- vii. Differentiate between bolus and chyme.
- viii. What is goiter?

Q.No.3 Attempt any TWO parts. (4+4=8)

- a) Describe the role of magnesium and nitrogen in plants.
- b) Describe the structure and digestion in the stomach. Also, draw a labeled diagram of the stomach.
- c) Write a note on ulcer.