

Name: _____	<b>Subject:</b> Biology	<b>Class:</b> 9 <sup>th</sup>	<b>Time:</b> 60 minutes	<b>Total Marks:</b>	<b>30</b>
<b>Chapter No.1</b>	<b>MJDexpert.com</b>			Obtained marks	

## Objective Section

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

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

## Subjective Section

**Q.2** Write short answers to any ten of the following questions: (6x2=12)

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

**Q.3** Attempt any TWO parts. (4+4=8)

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