

**PARUL UNIVERSITY**  
**PARUL INSTITUTE OF APPLIED SCIENCES**  
**MID SEMESTER INTERNAL EXAMINATION, Summer 2020**  
**B. Sc. Semester II**  
**Subject: Nutrition and Dietetics**  
**Title of the paper: Nutrition physiology-1**

**Paper Code: 11109164**

**Date: 11/03/2020**

**Time: 10:00am**

**Maximum Marks: 40**

**Instructions:**

- 1. All questions are compulsory and options are given in first and second question only.**
  - 2. Numbers to the right of question indicate the marks of respective question.**
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- Q. 1** Attempt any one question of the following.(any one) **(08)**  
 (i) Draw and label diagram of Digestive system.  
 (ii) Draw a flow chart for Types of tissues
- Q. 2** Attempt any three questions of the following.(any three) **(12)**  
 (i) Types of connective tissue  
 (ii) Which are three parts of small intestine  
 (iii) Name all salivary glands and its location  
 (iv) Draw cell cycle
- Q. 3** Do as directed. Attempt all five questions. (each of 1 mark ) **(05)**  
 (i) Role of large intestine  
 (ii) Name the phases of Meosis  
 (iii) Draw and label types of simple epithelial tissues  
 (iv) Name the juices involved in digestion  
 (v) Location of Non-keratinized stratified squamous epithelium.
- Q. 4** Write correct option in your answer sheet for following 15 multiple **(15)**  
 choice questions.

MCQ 1	Bile is released into _____			
	(A)	Stomach	(B)	Small intestine
	(C)	Large intestine	(D)	Mouth
MCQ 2	Digestive enzymes are present in _____			
	(A)	Liposomes	(B)	Lysosomes
	(C)	Ribosome	(D)	Mitochondria
MCQ 3	Centrioles take part in the formation of _____			
	(A)	Cell plate	(B)	Spindle
	(C)	Nucleus	(D)	Nucleus
MCQ 4	Group of cells, which is similar in structure and function are structured into _____			
	(A)	Organ system	(B)	Muscles
	(C)	Bone	(D)	Tissues
MCQ 5	Name the tissues that are involved in the formation of membranes.			
	(A)	Epithelial tissue	(B)	Nervous tissue
	(C)	Muscular tissue	(D)	Connective tissue

MCQ 6	What is the name of the tissues which helps in protection and support of the body?			
	(A)	Epithelial tissue	(B)	Nervous tissue
	(C)	Muscular tissue	(D)	Connective tissue
MCQ 7	Which of the following tissues helps in the movement of body structure?			
	(A)	Nervous tissue	(B)	Muscular tissue
	(C)	Epithelial tissue	(D)	Connective tissue
MCQ 8	Ligaments and tissues are formed of			
	(A)	Epithelial tissue	(B)	Muscular tissue
	(C)	Connective tissue	(D)	Cartilage
MCQ 9	Nervous tissue are found in			
	(A)	Spinal cord and brain	(B)	Kidney
	(C)	Gallbladder and abdomen	(D)	Esophagus and Bronchi
MCQ 10	What is the digestive system?			
	(A)	The body's breathing system	(B)	The body's system of nerves
	(C)	The body's food-processing system	(D)	The body's blood-transporting system
MCQ 11	Where does food pass through between the mouth and the stomach?			
	(A)	The Esophagus	(B)	The rectum
	(C)	The small intestine	(D)	The large intestine
MCQ 12	What happens when food reaches the stomach?			
	(A)	Nothing. No digestion occurs in the stomach.	(B)	The food moves quickly into the small intestine
	(C)	Juices mix with the food and stomach muscles squeeze it	(D)	The food is completely digested and is absorbed by tiny blood vessels in the walls of the stomach.
MCQ 13	How does digested food finally reach the bloodstream?			
	(A)	It passes through the gullet into the blood.	(B)	It is absorbed into the blood through blood vessels.
	(C)	It is absorbed into the blood through the walls of the lungs.	(D)	It passes from the small intestine into the large intestine, then into the blood.
MCQ 14	Which of the following does NOT manufacture digestive juices?			
	(A)	Liver	(B)	Kidneys
	(C)	Stomach	(D)	Pancreas
MCQ 15	The digestive system processes food into usable and unusable materials. The usable materials are sent to the body's cells as food. What happens to unusable materials?			
	(A)	It goes into the pancreas to await disposal.	(B)	It goes to the right ventricle to await disposal.
	(C)	It goes into the large intestine to await disposal.	(D)	It goes into the small intestine to await disposal.