



MAO-010-004506 Seat No. _____

**Bachelor of Hotel & Tourism Management
(Sem. V) (CBCS) Examination**

October / November – 2016

**Food Science & Nutrition - 5.6.E.1
(Old Course)**

Faculty Code : 010

Subject Code : 004506

Time : 3 Hours]

[Total Marks : 70

- Instructions :** (1) Attempt any three questions from Q.1 to Q. 5.
(2) Q.6 and Q. 7 are compulsory.
(3) The marks are assigned in front of the questions.
(4) Questions carrying 14 marks should be answered in around 600 words, 4 marks in 200 words and 3 marks in 150 words.

- 1 Define and classify proteins. Describe functions of protein in body. 14
- 2 Discuss harmful effects of micro-organism in food. 14
- 3 Define adulteration. Discuss cause and prevention of adulteration. 14
- 4 Explain human digestive process. 14
- 5 What are nutrients? Give a detail classification of them. 14
- 6 Fill in the blanks with appropriate words : 14×1=14
- (a) A food pyramid or diet pyramid is a _____ -shaped diagram representing the optimal number of servings to be eaten each day from each of the basic food groups.
- (b) _____ is also known as fruit sugar because it is found in fruit and honey.

- (c) The development of any unacceptable odour (smell/ fragrance) and flavoured in facts and oil causing spoilage is known as _____.
- (d) The amount of water naturally present in any food is known as _____ which is denoted by a_w .
- (e) The vitamin, which makes bones and teeth strong, is _____.
- (f) All the chemical processes by which nutrients are used to support life is called _____.
- (g) The USDA food pyramid was created in 1992 and divided into six _____ sections containing depictions of foods from each section's food group.
- (h) The unit of energy produced by food in the human body is called _____.
- (i) The sum of body processes that change our food energy from the three energy nutrients is called _____.
- (j) Digestion in the small intestine is where pancreatic amylase converts the carbohydrate starch to Maltose and _____.
- (k) Full form of RDA is _____.
- (l) The chemical formula for glucose is _____.
- (m) _____ Acid is found in Milk.
- (n) Beside carbon, hydrogen and oxygen protein also contains _____.

- 7 Do as directed : **6+8=14**
- (a) Define any two of following terms : **2×3=6**
 - (1) Nutrient
 - (2) Balance diet
 - (3) Food aversion
 - (4) Digestion.
 - (b) Answer any **two** : **2×4=8**
 - (1) Write short note on carbohydrate.
 - (2) Draw Food Pyramid and indicate all food groups contain it.
 - (3) Write short note on microbial growth factors.