

**PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)**

**BVoc DEGREE EXAMINATION MAY 2017  
(First Semester)**

**Branch - FOOD PROCESSING TECHNOLOGY**

**BASICS OF HUMAN NUTRITION**

Time : Three Hours

Maximum : 75 Marks

**SECTION-A (20 Marks)**

Answer **ALL** questions

**ALL** questions carry **EQUAL** marks (10x2 = 20)

- 1 Define Nutrients.
- 2 List any two functions of Electrolytes.
- 3 Classify Protein.
- 4 List the sources of Vitamin A.
- 5 Define RDA.
- 6 Define Malnutrition.
- 7 Define Energy.
- 8 What is meant by Biological value?
- 9 List the sources of Thiamine.
- 10 Name the deficiency disorders of Iodine and Iron.

**SECTION - B (25 Marks)**

Answer **ALL** Questions

**ALL** Questions Carry **EQUAL** Marks (5 x 5 = 25)

- 11 a Define the following : i) Optimum malnutrition ii) Food.  
OR  
b Enumerate the causes of Malnutrition.
- 12 a Write short notes about BMR.  
OR  
b Discuss the functions of water.
- 13 a Explain the digestion, absorption process of carbohydrates.  
OR  
b Classify Lipids in brief.
- 14 a Briefly explain the functions and deficiency of Folic acid. .  
OR  
b State the functions of calcium. •
- 15 a Write short notes on Reference Man and Reference Woman.  
OR  
b “Guidance to plan a menu” - Explain.

**SECTION - C (30 Marks)**

Answer any **THREE** Questions

**ALL** Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 Discuss various common Nutritional Problems in India..
- 17 Give a detailed account factors affecting energy requirement.
- 18 Elaborate the functions of protein in brief.
- 19 Explain the functions, deficiency disorder of Ribo Flavin.
- 20 Give the principles of Meal planning.