

PARUL UNIVERSITY
FACULTY OF APPLIED SCIENCE
M.Sc. Winter 2019-2020 Examination

Semester: 1
Subject Code: 11209117
Subject Name: Advance human nutrition

Date: 04/12/2019
Time: 10:30 am to 01:00 pm
Total Marks 60

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

- Q.1. A) Essay type/ Brief note (4x2) (Each of 04 marks) (08)**
 (a) Digestion of Carbohydrates
 (b) What are dietary goals & dietary guidelines list down?
- Q.1. B) Answer the following questions (Any two) (04)**
 (a) Short note/ Brief note (2x2)/ Schematically label the figures (2x2) (Each of 02 marks) (04)
 1. Factors affecting RDA
 2. What is BMR?
 (b) Short note on body composition (04)
 (c) Short note on RMR (04)
- Q.2. A) Answer the following questions. (04)**
 (a) Short note/ Brief note (2x2)/ Fill in the blanks. (Each of 02 marks) (04)
 1. Glycemic index
 2. Glycemic load
 (b) Short note on energy expenditure (04)
- Q.2. B) Answer the following questions (Any two) (03)**
 (a) Short note/ Multiple choice questions. (Each of 01 marks) (03)
 1. What is saturated fatty acid?
 2. What is unsaturated fatty acid?
 3. Define Fatty acids .
 (b) Short note on fats in body. (03)
 (c) Short note on Fatty acids. (03)
- Q.3. A) Essay type/ Brief note (4x2) (Each of 04 marks) (08)**
 (a) Give Classification of proteins
 (b) Give the nutritional classification of amino acids
- Q.3. B) Answer the following questions (Any two) (04)**
 (a) Short note/ Brief note (2x2)/ Schematically label the figures (2x2) (Each of 02 marks) (04)
 1. Give the specific function of Glutamic acid
 2. Give the specific function of Methionine
 (b) Short note on metabolism of proteins (04)
 (c) Short note on digestion of proteins (04)
- Q.4. A) Answer the following questions. (04)**
 (a) Short note/ Brief note (2x2)/ Fill in the blanks. (Each of 02 marks) (04)
 1. What is energy requirement (ER)?
 2. Thermic effect of food?
 (b) Difference on omega 3 & omega 6 (04)
- Q.4. B) Answer the following questions (Any two) (03)**
 (a) Short note/ Multiple choice questions. (Each of 01 marks) (03)
 1. What is Nutrition?
 2. What are compound lipids?
 3. What is resting energy expenditure?
 (b) Short note on classification of lipids (03)
 (c) Short note on classification of carbohydrates (03)