

**B.Sc. 5<sup>th</sup> Semester (Honours) Examination, 2020-21**

**PHYSIOLOGY**

**Course ID: 52516**

**Course Code: SH/PHY/503/DSE-1 (T)**

**Course Title: Human Nutrition and Dietetics**

**Time: 1 Hour 15 Minutes**

**Full Marks: 25**

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

- 1. Answer any five questions from the following:** **1×5=5**
- (a) What is SDA?
  - (b) Write any two cause of PCM.
  - (c) What is BMR?
  - (d) What is nitrogen balance?
  - (e) Why should we take green vegetables?
  - (f) Which vitamin is known as “Anti-sterility factor “and why?
  - (g) Mention the function of P-P factor.
  - (h) What is Phrynoderma?
- 2. Answer any two questions from the following:** **5×2=10**
- (a) What is the difference between food and nutrients? Mention the biological significance of calcium. 2+3=5
  - (b) What are the factors affecting BMR? What is angular stomatitis? 4+1=5
  - (c) Write down the physiological importance of dietary fibers. Give examples of fiber containing foods. 4+1=5
  - (d) What is PCM? Write down the causes of Marasmus. 2+3=5
- 3. Answer any one question from the following:** **10×1=10**
- (a) Mention the name of an antioxidant vitamin. Write down its source, physiological importance and deficiency syndromes. 1+3+3+3= 10
  - (b) Prepare a balanced diet chart of lactating mother. What do you mean by nitrogen balance? 8+2=10