

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN  
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)

Chromepet, Chennai - 600 044.

M.Sc.FSND - END SEMESTER EXAMINATIONS - APRIL 2025

SEMESTER - I

**20PNDCT1001 - Advanced Food Science**

Total Duration : 2 Hrs. 30 Mins.

Total Marks : 60

### **Section B**

Answer any **SIX** questions ( $6 \times 5 = 30$  Marks)

1. Describe the types of colloid and its properties.
2. Illustrate the role of enzymes in food products.
3. Explain about the composition of fat and fat substitutes.
4. Infer on the proteins and functional properties of egg.
5. Indicate the role of colours and flavours in food products.
6. Relate the structure and composition of modified food starches.
7. Sketch on the texturized vegetable protein and protein concentrates.
8. Examine the characteristics and nutritional qualities of egg.

### **Section C**

I - Answer any **TWO** questions ( $2 \times 10 = 20$  Marks)

9. Predict the role of proteins in food products and the effect of heat on its physio-chemical properties.
10. Prepare a detailed notes on the characteristics of fat.
11. Ascertain the effect of physical and chemical factors and enzymes on milk components.
12. Appraise the flavour and colour compounds in vegetables, fruits and spices with its role of food products.

II - Compulsory question ( $1 \times 10 = 10$  Marks)

13. Distinguish the types of sugar examining the stages of sugar cookery and crystallization of sugar.

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