ST.JOSEPH’S COLLEGE FOR WOMEN (AUTONOMOUS), VISAKHAPATNAM

IVSEMESTER **HOMESCIENCE** TIME: 2HRS/WEEK

HS 4253 (2) **NUTRITIONAL BIOCHEMISTRY** MAX.MARKS:50

w.e.f. 2020 –2021(“20AH”) **PRACTICAL SYLLABUS**

**OBJECTIVES:**

To enable the student to –

• Understand the chemistry of nutrients.

• Learn the principles and procedure of food and biochemical analysis.

**OUTCOMES OF THE COURSE:** On completion of the Course, the student shall

1. Be able to evaluate presence of nutrients in various foods.

2. Get acquainted with various food analysis techniques.

3. Gain an understanding of the entrepreneurial avenues in food analysis

4. Develop an interest in pursuing the course at the Master’s level.

**COURSE:**

1. Preparation of acids, bases, buffers, measuring pH.
2. Qualitative analysis – Identification of carbohydrates
3. Qualitative analysis – Identification of proteins and amino acids
4. Qualitative analysis of Lipids.
5. Qualitative analysis of food enzymes – plant and animal.

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