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

III SEMESTER  **AGRICULTURE AND RURAL DEVELOPMENT** TIME:30HRS

HORD 281P (1) **PRODUCTION TECHNOLOGY FOR VEGETABLES AND SPICES** MARKS:50

w.e.f 2024-2025 (23AK Batch) **PRACTICAL** **SYLLABUS**

**OBJECTIVES:**

* To study about production technology of vegetables .
* To know importance of vegetables  crops
* To understand the scientiﬁc cultivation methods of vegetables .

**COURSE OUTCOMES**

**CO1**: Explain about origin, and area climate, soil, improved varieties and cultivation practices

**CO2:** Classify about Physiological disorders Disease and pest control and seed production.

**CO3**: learn about transplanting techniques, Planting distance, Fertilizer requirements Irrigation, Weed management, Harvesting, Yield, Storage

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| **EXPERIMENTS**: |  |
| 1. Identiﬁcation of vegetables and their seeds. |  |
| 2. Study of morphological characters of diﬀerent vegetables. |  |
| 3. Physiological disorders of vegetable crops. |  |
| 4. Intercultural operations in vegetable crops. |  |
| 5. Fertilizers application methods. |  |
| 6. Seed extraction methods in vegetables.  7. Storage of various crops.  8. Visit and identify the diseases and disorders in vegetables.  9. Post-harvest Management of Vegetables and leafy vegetables.  10. Visit to KVK.  **References text books :**   1. Pranab Hazra, A. Chattopadhyay, K. Karmakar and S. Dutta. 2010. Modern Technology in Vegetable Production. New India Publishing Agency, New Delhi. 2. Neeraj Pratap Singh, .2007. Basic Concepts of Vegetable Science. International Book Distributing Co. New Delhi. Academic Press, New Delhi. 3. Nempal Singh, Singh, D.K., Singh, Y.K. and Virendra Kumar. 2006. Vegetable Seed Production Technology. International Book Distributing Co. Lucknow. 4. Prem Singh Arya and S. Prakash 2002. Vegetables Growing in India. Kalyani publishers, New Delhi 5. Bose, T. K, Kabir, J., Maity T. K., Parthasarathy V. A., and   5. Som M. G., 2002. Vegetable Crops Vol. II & III Naya Prokash, Kolkata.  \*\* \*\* \*\* |  |