

SEC Syllabus for 5<sup>th</sup> and 6<sup>th</sup> Semester

(Arts and Science Regular-2016-17, 2017-18, 2018-19)

Information Technology

2 credit

**Web Development**

**Unit-1**

Introduction to Internet and WWW, web sites and their usage, search engines, browsers, web page design principles, concept of HTTP, hypertexts, navigation through web pages, Home page layout.

**Unit-2**

Introduction to HTML, structure of HTML documents, HTML tags and their attributes, creating an HTML document, Header section, body section, headings, linking of documents, formatting characters, text formatting, heading, paragraph, line breaks.

**Unit-3**

Working with text, lists, tables and frames, use of hyperlinks, use of multimedia contents (image, video, sound), working with forms and controls.

**Unit-4**

Introduction to cascading style sheets (CSS), creating style sheets, background, text format, fonts, border, use of color, hosting of web sites, Design of simple web sites such as college portal, online admission portal, and E-commerce portal.

**Books**

1. Web Technology & Design, C. Xavier, New Age International Ltd.
2. A Beginner's guide to HTML, Wendy Willard, McGraw-Hill

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**Banking**

**2 credit**

**BANKING Objective:** To impart knowledge about the basic principles of the banking.

**Unit 1:** Introduction: Definition, types of banks, Types of deposits, Origin and growth of commercial banks in India. Functions of Commercial banks (conventional and innovative functions) – Central Bank – RBI – functions, objective of RBI, Social Responsibility of Banks,

**Unit 2:** Banking Lending Principles of sound lending, Secured vs. unsecured advances, Types of advances, Advances against various securities.

**Unit 3:** Innovative Banking: Introduction, Mobile Banking: Advantage and Disadvantage, e-Banking Services:- ATM, Debit/Credit Card, Electronic Fund Transfer: RTGS, NEFT, Electronic Purse, Digital Cash: Advantages & Disadvantages of banking Services.

**Reference Books:**

1. Bank Management by Vasnat Desai, Himalaya Publishing House
2. Indian Banking System by Jyoti Prakash Rath, Kalyani Publishing House
3. Indian Banking by Parameswaram, S. Chand & Co.
4. Banking Theory and Practice by Sundaram & Varsheny, Sultan Chand Co.

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**HEAD**  
**P.G. Department of Commerce**  
**Berhampur University**

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**SYLLABUS OF  
SKILL ENHANCEMENT COURSE  
For BA and B.Sc regular course under CBCS**

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**COURSE - 1**

**HORTICULTURE**

**Unit 1 Basic concepts of horticulture:** Scope and importance – Global scenario of horticultural crops- Divisions of horticulture - area and production – export and import - classification of horticultural crops – Nutritive value of horticultural crops – horticultural therapy – Horticulture Zones of India and Odisha – Horticultural developmental agencies

**Factors on crop production:** Influence of soil – physical and chemical properties and climatic factors – light, temperature, photoperiod, relative humidity, rainfall, micro climate, pollution – influence of biotic and abiotic stresses on crop production

**Unit 2 Botany of Horticultural Crops:** Systematic botany- Principles involved in nomenclature, ICBN rules and recommendations with special reference to names of hybrids and names of cultivated plants.

Botany, floral biology, pollination, fruit set and economic part in the families Anacardiaceae (mango, cashew) , Euphorbiaceae (aonla, cassava, rubber), Solanaceae (tomato, brinjal, chilli, potato), Cucurbitaceae (pumpkin, watermelon, muskmelon, ridge gourd, bitter gourd, cucumber), Poaceae (Graminae),

**Unit 3 Nursery techniques and cropping systems Nursery techniques:** Vegetable garden – Nutrition garden, kitchen garden and other types of gardens - planting systems – planning, layout and management of an orchard- wind breaks - after-cultural practices – clonal orchards- use of growth regulators – water management – drip and fertigation - weed management - nutrient management - soil fertility management - cropping systems - intercropping - multi-tier cropping

**Unit 4 Protected cultivation and post harvest handling Protected:** Cultivation principles of organic horticulture – hydroponics - harvesting and post harvest handling – processing, value addition, storage and marketing of horticultural produce.

**Text Books**

1. Adams, C.R. and M. P. Early. 2004. Principles of horticulture. Butterworth – Heinemann, Oxford University Press.
2. Bansil. P.C. 2008. Horticulture in India. CBS Publishers and Distributors, New Delhi.
3. Kumar, N.1997. Introduction to Horticulture, Rajalakshmi Publication, Nagercoil.
4. Mauseth, J.D. 2009. Botany: an introduction to plant biology. Jones and Bartlett Publishers, MA.
5. Spichiger, R., Savolainen, V., Figeat, M., Jeanmond, D. 2004. Systematic Botany of flowering plants. Science Publishers Inc., USA.

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6. Jansi Rani, P. Subramanian, S., Veeraragavathatham and S. Thamburaj, 1997.
7. Genin, A. 1994. Application of Botany in Horticulture. Oxford & IBH Publishing Co. Pvt. Ltd., New Delhi.
8. Kochhar, S.L. 1992. Economic Botany in the tropics. Macmillan India Ltd., Madras, 600 041.
9. Joseph Y. Bergen, 1990. Fundamentals of Botany. Arihant Publishers, Jaipur (India)
10. Subhash Chandra Datt, 1989. Systematic Botany – Willey Eastern Ltd., New Delhi

### Practical

Features of orchard - planning and layout of orchard – Tools and implements preparation of nursery beds – sowing vegetable seeds – digging pits for fruit plants and planting - layout of irrigation systems - preparation and application of fertilizer mixtures – preparation and application of growth regulators – identification and management of nutritional disorder in fruits and vegetables structures for protected cultivation – study of maturity standards – harvesting, grading, packing and storage of horticultural crops. Observation and description of the taxonomy and morphological characters of the crops in the families

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