



RAYATSHIKSHANSANSTHA'S

RAJARSHICHHATRAPATISHAHU COLLEGE, KOLHAPUR

Career oriented courses/Certificate Course

SYLLABUS

TALLY ERP 9.0 Course

Syllabus

Unit-1- Fundamental of Tally

ERP 9- Introduction, Salient features, Getting Functional with Tally, Start-up, Screen Components, Switching between Screen Areas, getting Tally, Creation of Company, Base Currency Information, Working with Multiple Companies.

Unit-II-Creating Accounting Masters in Tally-

Features, configurations, voucher Entry, Invoice/ Order Entry, Setting up account heads, creating Inventory masters.

Unit-III- Advanced Accounting in Tally-

Bill-wise details, Cost Centers and Cost categories, voucher class and Cost Centre Class, Bank reconciliation, interest Calculation, Budgets and Contorts. Unit-IV- Value Added Tax (VAT) and Central Sales Tax (CST)- Configuring VAT in Tally, Creating masters, Entering

आपत्तीव्यवस्थापन

अभ्यासक्रम

पेपरक्रमांक 1

आपत्तीव्यवस्थापन

यूनिट 1 आपत्तीव्यवस्थापनविषयविवेचन

यूनिट 2 आपत्तीव्यवस्थापन

- 1) अर्थ
- 2) स्वरूप
- 3) व्याप्ति
- 4) महत्व

यूनिट 3 आपत्तीव्यवस्थापन - आपत्तीचे प्रकार

(अ) नैसर्गिकप्रकार

- 1) भूकंप
- 2) पुर
- 3) दुष्काळ
- 4) आग

(ब) मानवनिर्मित

- 1) अपघात
- 2) गर्दी
- 3) आग

CERTIFICATES COURSE IN BIODIVERSITY AND IT'S CONSERVATION.

Syllabus :

Paper 1-Fundamentals of biodiversity.

Section I

15

Unit I-Origin of life.

Position of different organisms in living world.Differentiation between prokaryotic and eukaryotic cell.

Brief introduction to five kingdom classification system.

Unit 2-Concept of Evolution

Theories of evolution, Darwinism, Concept of species formation. Phylogeny

Unit 3-Taxonomy and Classification

Introduction to major groups of plants.

Introduction to major groups of animals and microbes.

Unit 4-Loss of Biodiversity

4.1-Causes of loss of Biodiversity.

Effects of loss of Biodiversity.

Terminology- Red data book-concept.

Section II

Unit 1-Biodiversity introduction, concept and significance

Unit 2-Levels of Biodiversity

2.1-Mega diversity in India

2.2-Bioreserves

2.3 Hot spots in India with special reference to Himalaya and Western ghat(Maharashtra)

2.4-National parks, wildlife sanctuaries Botanical gardens and Zoological museums.

Theory and Practicals is of -300 hrs -20 credits.

Field Work/Project work /Training-150 hrs-10 credits.

Theory paper I - 100 marks

Theory paper II - 100marks

Paper III - 100marks

(practical-projects- work experience)

CERTIFICATE COURSE IN PREPARATION OF HOUSEHOLD CHEMICALS

Syllabus

Paper-I: - Basic concept of household chemicals [30 Marks]

Unit I:- Basic Concepts in Domestic chemicals [10 Marks)

1.1 Mole concepts

1.2 Concentration

1.3 Units of concentration

1.4 Normality 15 Molarity

1.6 Molality

1.7 Mole Fraction

1.8 Percentage composition by volume

1.9 Percentage composition hv weight

Unit II :- Domestic chemicals (10Marks)

1.10 Introduction of House chemicals or domestic chemicals and their s

- 1.11 Sanitary acids
- 1:12 Phenyl
- 1:13 Liquid soaps, Lysol, Dettol, Savalon
- 1.14 Acids bases
- 1.15 General introduction
- 1.16 Theory
- 1.17 Types and Strength of acids
- 1.18 Cleaning action of acids and Handling and precautions
- 1.19 Antiseptic and Disinfectant

Unit III: Titration. | 10 Marks |

- 3.1 General introduction
- 3.2 Types of titration
- 3.3 Indicators(Artificial and Natural)
- 3.4 Theory and types.

Paper-II :- Mechanism, precaution and cleaning action of household chemicals [30 Marks]

Unit 1: - Soaps and detergents | 20 Marks |

- 1.1 Introduction of Soaps
- 1.2 Theory and types
- 1.3. Raw materials
- 1.4 Types of soaps
- 1.5 Manufacture of soaps, Hot Process 1.6 Cleaning action of soaps
- 1.7 Introduction of Detergents
- 1.8 Raw materials
- 1.9 Types of detergneutralationic, anionic, amphoteric and neutral

1.10 Preparation of teepol and dersphat

1.11 Comparison between snaps and detergents

Unit II: Phenols

2.1 Introduction of Phenol 05 Marks 2.2 Methods of synthesis of Phenols

2.3 Physical properties

2.4 Chemical properties

2.5 Uses

Unit III: Phenyl I 05 Marks |

3.1 Preparation

3.2 Ingredients and uses

3.3 Advantage and drawback of phenyl

Paper-III:- Practical's [40 Marks]

1) Volumetric titration

2) Conduct metric titration

3) Preparation of standard solutions

4) Preparation of phenyls

5) Preparation of dyes

6) Preparation of Soap

7) Preparation of Detergent Powder

8) Preparation of Liquid Soap

9) Preparation of Neel

10) Preparation and uses of Natural Indicators Dr. KishorVinayakGaikwad (Course Coordinator)

UNDERSTANDING OF BASIC ELECTRONICS

Syllabus

Unit-1: Introduction of electronic Ideas

Household electricity, Safety and precaution of instruments..current, voltage amplitude and frequency

Unit-II: Introduction power supplies

Type of power supplies i.c. a.c. and d.c..regulated power supply, use of multimeter and testing of components

Unit-III: Study of passive and active electronic Devices

Resistance, capacitance, inductance, transformer, Relays, Switches, Introduction to basic semiconductor concept, diode and its types and working.transistors and its type and working. IC's

Unit-IV: Practical work (Building simple circuits on breadboards)

Introduction to PCB, Tag board, Vero board and Breadboard, soldering and desoldering technique Tracing of electronic circuit,building of electronic circuit.