

# COMMISSIONER OF COLLEGIATE EDUCATION T.S

**Tara Govt. College, Sangareddy (A)**

## TEACHING PLAN

Name of the Department/Subject	Computer science/applications, WEB TECHNOLOGY
Name of the Lecturer	G. SHIVA SHANKER
Course/Group	BCom/ I Year(Iv Sem)
Paper	IV
Name of the Topic	INTRODUCTION TO WEB TECHNOLOGY
Hours required	12
Learning Objectives	For designing web pages and web sites
Previous Knowledge to be remained	Note pad ,basic knowledge in internet.
Topic Synopsis	Introduction to web technology, basic structure of HTML, types of tags, tables ,forms, frames, images, list tags, hyper links
Examples/Illustrations	Forms in application sites, frames in home page, lists in home page
Additional inputs	Application forms in different sites
Teaching Aids used	Black board and chock, white board and marker and ICT
Reference cited	
Student Activity planned after the teaching	Question and answers ,Assignments and seminars ,tests
Activity planned out side the class room if any	Planning for creating new web sites
Any other activity	ICT

SIGNATURE OF THE LECTURER

# COMMISSIONER OF COLLEGIATE EDUCATION T.S

**Tara Govt. College, Sangareddy (A)**

## TEACHING PLAN

Name of the Department/Subject	Computer science/applications, programming with c and cpp
Name of the Lecturer	C.Prathibha
Course/Group	BCom/ I Year(Iv Sem)
Paper	IV
Name of the Topic	On over view of dynamic web pages
Hours required	12
Learning Objectives	For designing web pages and web sites
Previous Knowledge to be remained	Note pad ,basic knowledge in internet.
Topic Synopsis	Introduction to DHTML, CSS, type in CSS, different properties in text, graphics and placements, creating multimedia effects with filters and transactions
Examples/Illustrations	Forms in application sites, frames in home page, CSS styles in home page
Additional inputs	Application forms in different sites, CSS effects in home pages
Teaching Aids used	Black board and chock, white board and marker and ICT
Reference cited	
Student Activity planned after the teaching	Question and answers ,Assignments and seminars ,tests
Activity planned out side the class room if any	Planning for creating new web sites
Any other activity	ICT

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**Tara Govt. College, Sangareddy (A)**

## TEACHING PLAN

Name of the Department/Subject	Computer science/applications, WEB TECHNOLOGY
Name of the Lecturer	G.SHIVA SHANKER
Course/Group	BCom/ I Year(Iv Sem)
Paper	IV
Name of the Topic	On over view of dynamic web pages
Hours required	12
Learning Objectives	For designing web pages and web sites
Previous Knowledge to be remained	Note pad ,basic knowledge in internet.
Topic Synopsis	Introduction to DHTML, CSS, type in CSS, different properties in text, graphics and placements, creating multimedia effects with filters and transactions
Examples/Illustrations	Forms in application sites, frames in home page, CSS styles in home page
Additional inputs	Application forms in different sites, CSS effects in home pages
Teaching Aids used	Black board and chock, white board and marker and ICT
Reference cited	
Student Activity planned after the teaching	Question and answers ,Assignments and seminars ,tests
Activity planned out side the class room if any	Planning for creating new web sites
Any other activity	ICT

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# COMMISSIONER OF COLLEGIATE EDUCATION T.S

**Tara Govt. College, Sangareddy (A)**

## TEACHING PLAN 2022

Name of the Department/Subject	DATA SCIENCE
Name of the Lecturer	PATIL NILOCHANA
Course/Group	Machine Learning
Paper	
Name of the Topic	Machine Learning
Hours required	15
Learning Objectives	Internet Concepts
Previous Knowledge to be remained	
Topic Synopsis	Introduction: What does it mean to learn, Some canonical Learning Problems, The Decision Tree Model of Learning, Formalizing the Learning Problem, ID3 Algorithm, Limits of Learning: Data Generating Distributions, Inductive Bias, Not Everything is learnable, Underfitting and Overfitting, Separation of training and test Data, Models parameters and Hyperparameters, Real World Applications of Machine Learning , Geometry and Nearest Neighbors: From Data to Feature Vectors, K- Nearest Neighbors, Decision Boundaries, K- means Clustering, High Dimensions
Examples/Illustrations	
Additional inputs	
Teaching Aids used	White board and marker
Reference cited	
Student Activity planned after the teaching	Questions and Answers
Activity planned out side the class room if any	
Any other activity	Students Seminars

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# COMMISSIONER OF COLLEGIATE EDUCATION T.S

**Tara Govt. College, Sangareddy (A)**

## TEACHING PLAN 2022

Name of the Department/Subject	DATA SCIENCE
Name of the Lecturer	PATIL NILOCHANA
Course/Group	Machine Learning
Paper	
Name of the Topic	Machine Learning
Hours required	15
Learning Objectives	Internet Concepts
Previous Knowledge to be remained	
Topic Synopsis	The Perceptron: Bio-inspired Learning, The Perceptron Algorithm, Geometric Interpretation, Interpreting Perceptron Weights, Perceptron Convergence and Linear Separability, Improved Generalization, Limitations of the Perceptron, Practical Issues: Importance of Good Features, Irrelevant and Redundant Features, Feature Pruning and Normalization, Combinatorial Feature Explosion
Examples/Illustrations	
Additional inputs	
Teaching Aids used	White board and marker
Reference cited	
Student Activity planned after the teaching	Questions and Answers
Activity planned out side the class room if any	
Any other activity	Students Seminars

SIGNATURE OF THE LECTURER

# COMMISSIONER OF COLLEGIATE EDUCATION T.S

**Tara Govt. College, Sangareddy (A)**

## TEACHING PLAN 2022

Name of the Department/Subject	DATA SCIENCE
Name of the Lecturer	PATIL NILOCHANA
Course/Group	Problem Solving and Python Programming
Paper	
Name of the Topic	Problem Solving and Python Programming
Hours required	15
Learning Objectives	Internet Concepts
Previous Knowledge to be remained	
Topic Synopsis	Introduction to Computing and Problem Solving: Fundamentals of Computing Devices, Identification of Computational Problems, Pseudo Code and Flowcharts, Instructions, Algorithm, Building Blocks of Algorithm, Introduction to Python Programming: Python Interpreter and InteractiveMode, Variables and Identifiers, Arithmetic Operators, Values and Types, Statements, Reading Input, Print Output, Type Conversions, The type() Function and Is Operator, Dynamic and Strongly Typed Language, Control Flow Statements: The if, The if....else, The if... elif...else Decision Control Statements, Nested if Statement, The while Loop, The for Loop, The continue and break Statements
Examples/Illustrations	
Additional inputs	
Teaching Aids used	White board and marker
Reference cited	
Student Activity planned after the teaching	Questions and Answers
Activity planned out side the class room if any	
Any other activity	Students Seminars

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# COMMISSIONER OF COLLEGIATE EDUCATION T.S

**Tara Govt. College, Sangareddy (A)**

## TEACHING PLAN 2022

Name of the Department/Subject	DATA SCIENCE
Name of the Lecturer	PATIL NILOCHANA
Course/Group	Problem Solving and Python Programming
Paper	
Name of the Topic	Problem Solving and Python Programming
Hours required	15
Learning Objectives	Internet Concepts
Previous Knowledge to be remained	
Topic Synopsis	Functions: Built-In Functions, Commonly Used Modules, Function Definition and Calling the Function, The return Statement and void Function, Scope and Lifetime of Variables, Default Parameters, Keyword Arguments, *args and **kwargs, Command Line Arguments, Strings: Creating and Storing Strings, Basic String Operations, Accessing Characters in String by Index Number, String Slicing and Joining, String Methods, Formatting Strings
Examples/Illustrations	
Additional inputs	
Teaching Aids used	White board and marker
Reference cited	
Student Activity planned after the teaching	Questions and Answers
Activity planned out side the class room if any	
Any other activity	Students Seminars

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# COMMISSIONER OF COLLEGIATE EDUCATION T.S

## Tara Govt. College, Sangareddy (A)

### TEACHING PLAN

Name of the Department/Subject	Computer science/applications, programming with c and cpp
Name of the Lecturer	C.Prathibha
Course/Group	BCom/ I Year(II Sem)
Paper	II
Name of the Topic	Introduction to C-language, variables , datatypes ,operators
Hours required	12
Learning Objectives	Basic knowledge in programming in c
Previous Knowledge to be remained	Algorithms, flowcharts and basics of computers
Topic Synopsis	Types of languages, history of c, basic structure, programming rules, flow charts, algorithms, library functions, data types type conversion , formatted input and out operations. Operators types of operators
Examples/Illustrations	Programs in c
Additional inputs	
Teaching Aids used	Black board and chock, white board and marker and ICT
Reference cited	
Student Activity planned after the teaching	Question and answers ,Assignments and seminars
Activity planned out side the class room if any	Planning for new PROGRAMS
Any other activity	ICT

SIGNATURE OF THE LECTURER



# COMMISSIONER OF COLLEGIATE EDUCATION T.S

**Tara Govt. College, Sangareddy (A)**

## TEACHING PLAN

Name of the Department/Subject	Computer science/applications, programming with c and cpp
Name of the Lecturer	C.Prathibha
Course/Group	BCom/ I Year(II Sem)
Paper	II
Name of the Topic	WORKING WITH CONTROL STATEMENTS and loops
Hours required	12
Learning Objectives	Basic knowledge in programming in c
Previous Knowledge to be remained	Algorithms, flowcharts and basics of computers
Topic Synopsis	Conditional statements, introduction ,if statements, if else statement nested if else. Switch statement, looping statements, jumping statements and types.
Examples/Illustrations	Programs in c
Additional inputs	Sample programs in c programming, real time examples
Teaching Aids used	Black board and chock, white board and marker and ICT
Reference cited	
Student Activity planned after the teaching	Question and answers ,Assignments and seminars
Activity planned out side the class room if any	Planning for new PROGRAMS
Any other activity	ICT

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# COMMISSIONER OF COLLEGIATE EDUCATION T.S

**Tara Govt. College, Sangareddy (A)**

## TEACHING PLAN

Name of the Department/Subject	Computer science/applications, programming with c and cpp
Name of the Lecturer	G.SHIVA SHANKER
Course/Group	BCom/ I Year(II Sem)
Paper	II
Name of the Topic	WORKING WITH CONTROL STATEMENTS and loops
Hours required	12
Learning Objectives	Basic knowledge in programming in c
Previous Knowledge to be remained	Algorithms, flowcharts and basics of computers
Topic Synopsis	Conditional statements, introduction ,if statements, if else statement nested if else. Switch statement, looping statements, jumping statements and types.
Examples/Illustrations	Programs in c
Additional inputs	Sample programs in c programming, real time examples
Teaching Aids used	Black board and chock, white board and marker and ICT
Reference cited	
Student Activity planned after the teaching	Question and answers ,Assignments and seminars
Activity planned out side the class room if any	Planning for new PROGRAMS
Any other activity	ICT

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# COMMISSIONER OF COLLEGIATE EDUCATION T.S

**Tara Govt. College, Sangareddy (A)**

## TEACHING PLAN

Name of the Department/Subject	DEPARTMENT OF COMPUTER SCIENCE
Name of the Lecturer	D.SRAVANA KEERTHI
Course/Group	B.COM(CA) III YEAR
Paper	VI
Name of the Topic	CYBER SECURITY UNIT-1
Hours required	18
Learning Objectives	Understanding the Cyber security, detection, network security, the law and cyber forensic
Previous Knowledge to be remained	Cyber threats like spam mails, unwanted links etc.
Topic Synopsis	Introduction to Cyber security, Internet Governance, Challenges and Constraints, Cyber threats, Need of International convention on cyberspace, Cyber security Vulnerabilities, Poor cyber security Awareness, Cyber security safe guards, Threat Management.
Examples/Illustrations	Daniel of Service(DOS),Spam mails, Cyber attacks
Additional inputs	Internet Concepts
Teaching Aids used	ICT-Projector ad blackboard
Reference cited	Text Book and e-books
Student Activity planned after the teaching	Question and Answers, Practicing the concepts
Activity planned out side the class room if any	No
Any other activity	Student Seminar

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# COMMISSIONER OF COLLEGIATE EDUCATION T.S

**Tara Govt. College, Sangareddy (A)**

## TEACHING PLAN

Name of the Department/Subject	DEPARTMENT OF COMPUTER SCIENCE
Name of the Lecturer	D.SRAVANA KEERTHI
Course/Group	B.COM(CA) III YEAR
Paper	V
Name of the Topic	E-COMMERCE UNIT-1
Hours required	13
Learning Objectives	Acquiring conceptual and application knowledge of E-commerce
Previous Knowledge to be remained	Computer Knowledge and Internet
Topic Synopsis	E-commerce meaning, Advantages and limitations of E-Business, Traditional and Contemporary Model, Impact of E-Commerce, Applications of E-commerce, E-Marketing, E-Advertising, E-Banking, Mobile commerce, E-shopping.
Examples/Illustrations	Amazon, Flipcart for E-shopping and E-trading
Additional inputs	Showed top websites of E-Commerce
Teaching Aids used	ICT-Projector and blackboard
Reference cited	Text Book and e-books
Student Activity planned after the teaching	Question and Answers, Practicing the concepts
Activity planned out side the class room if any	
Any other activity	Students Seminar

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# COMMISSIONER OF COLLEGIATE EDUCATION T.S

**Tara Govt. College, Sangareddy (A)**

## TEACHING PLAN

Name of the Department/Subject	DEPARTMENT OF COMPUTER SCIENCE
Name of the Lecturer	D.SRAVANA KEERTHI
Course/Group	B.COM(CA) I YEAR
Paper	I
Name of the Topic	FUNDAMENTALS OF INFORMATION TECHNOLOGY UNIT-1
Hours required	14
Learning Objectives	USAGE OF INPUT AND OUTPUT DEVICES
Previous Knowledge to be remained	Computer peripherals
Topic Synopsis	Introduction and Definition of Computer, Characteristics and Evolution of Computer, Applications of Computer, Block diagram of Computer, Capabilities and limitations of Computer, Role of input and output devices,
Examples/Illustrations	Hardware components
Additional inputs	Showing the hardware components
Teaching Aids used	ICT-Projector and PPT's
Reference cited	Text Book and e-books
Student Activity planned after the teaching	Question and Answers, Practicing the concepts
Activity planned out side the class room if any	Showed CPU parts
Any other activity	Conducted Quiz

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## TEACHING PLAN

Name of the Department/Subject	DEPARTMENT OF COMPUTER SCIENCE
Name of the Lecturer	D.SRAVANA KEERTHI
Course/Group	B.COM(CA) I YEAR
Paper	II
Name of the Topic	PROGRAMMING WITH C &C++ UNIT-1
Hours required	15
Learning Objectives	Learning programming rules of a C program
Previous Knowledge to be remained	Computer Knowledge
Topic Synopsis	Types of Languages, History of C language, Basic structure, Programming rules, Flow charts, Algorithms, Commonly used library functions, Executing a C program, Pre-processors in C keywords and identifiers, variables, Data types , Operators.
Examples/Illustrations	How electronic devices are used using C program like play, pause, forward ,backward etc.
Additional inputs	Turbo C++ software
Teaching Aids used	ICT-Projector ad blackboard
Reference cited	Text Book and e-books
Student Activity planned after the teaching	Question and Answers, Practicing the concepts in computers
Activity planned out side the class room if any	No
Any other activity	Students Seminar

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# COMMISSIONER OF COLLEGIATE EDUCATION T.S

**Tara Govt. College, Sangareddy (A)**

## TEACHING PLAN

Name of the Department/Subject	DEPARTMENT OF COMPUTER SCIENCE
Name of the Lecturer	D.SRAVANA KEERTHI
Course/Group	B.COM(CA) II YEAR
Paper	III
Name of the Topic	RELATIONAL DATABASE MANAGEMENT SYSTEM UNIT-1
Hours required	17
Learning Objectives	Importance of Database and file based system
Previous Knowledge to be remained	Drawbacks of file based system
Topic Synopsis	Introduction to DBMS ,File based system, Pros of DBMS over file based system, 3-level architecture, DBA functions and roles, Data files indices and Data dictionary, Types of Database, Relational and ER models, Entities, Attributes, Relationships, Conversion of ER diagram to Relational database.
Examples/Illustrations	Real life examples of organizations like Railways, Banking sector etc.
Additional inputs	Using Oracle software for creating Relations(Tables) by writing Queries
Teaching Aids used	ICT-Projector ad blackboard
Reference cited	Text Book and e-books
Student Activity planned after the teaching	Question and Answers, Practicing the concepts in computers
Activity planned out side the class room if any	
Any other activity	Group Discussion

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# COMMISSIONER OF COLLEGIATE EDUCATION T.S

**Tara Govt. College, Sangareddy (A)**

## TEACHING PLAN

Name of the Department/Subject	DEPARTMENT OF COMPUTER SCIENCE
Name of the Lecturer	D.SRAVANA KEERTHI
Course/Group	B.COM(CA) II YEAR
Paper	VI
Name of the Topic	WEB TECHNOLOGY UNIT-1
Hours required	15
Learning Objectives	Learning how to create a web page
Previous Knowledge to be remained	Computer and Internet knowledge
Topic Synopsis	Brief History of HTML, HTML tags, elements and attributes, styles, Hypertext, Document tags, Formatting Tags, Hyperlink and its types, Working with Images, Lists, Tables, Frames, Forms and formulating elements, File upload, Web Design Principles.
Examples/Illustrations	Registration forms, Login forms
Additional inputs	Creating form validation
Teaching Aids used	ICT-Projector and PPT's
Reference cited	Text Book and e-books
Student Activity planned after the teaching	Question and Answers, Practicing the concepts
Activity planned out side the class room if any	
Any other activity	Students Seminar

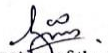
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TEACHING PLANS:

TARA GOVERNMENT COLLEGE (A), SANGAREDDY.  
TEACHING PLAN - 2020-2021

Name of the department/Subject	Biology
Name of the lecturer	Dr. S. Vijaya
Course/Group	B.Sc. B2C, B2E, B2F, B2G, B2H, B2I, B2J, B2K, B2L, B2M, B2N, B2O, B2P, B2Q, B2R, B2S, B2T, B2U, B2V, B2W, B2X, B2Y, B2Z, B3A, B3B, B3C, B3D, B3E, B3F, B3G, B3H, B3I, B3J, B3K, B3L, B3M, B3N, B3O, B3P, B3Q, B3R, B3S, B3T, B3U, B3V, B3W, B3X, B3Y, B3Z, B4A, B4B, B4C, B4D, B4E, B4F, B4G, B4H, B4I, B4J, B4K, B4L, B4M, B4N, B4O, B4P, B4Q, B4R, B4S, B4T, B4U, B4V, B4W, B4X, B4Y, B4Z, B5A, B5B, B5C, B5D, B5E, B5F, B5G, B5H, B5I, B5J, B5K, B5L, B5M, B5N, B5O, B5P, B5Q, B5R, B5S, B5T, B5U, B5V, B5W, B5X, B5Y, B5Z, B6A, B6B, B6C, B6D, B6E, B6F, B6G, B6H, B6I, B6J, B6K, B6L, B6M, B6N, B6O, B6P, B6Q, B6R, B6S, B6T, B6U, B6V, B6W, B6X, B6Y, B6Z, B7A, B7B, B7C, B7D, B7E, B7F, B7G, B7H, B7I, B7J, B7K, B7L, B7M, B7N, B7O, B7P, B7Q, B7R, B7S, B7T, B7U, B7V, B7W, B7X, B7Y, B7Z, B8A, B8B, B8C, B8D, B8E, B8F, B8G, B8H, B8I, B8J, B8K, B8L, B8M, B8N, B8O, B8P, B8Q, B8R, B8S, B8T, B8U, B8V, B8W, B8X, B8Y, B8Z, B9A, B9B, B9C, B9D, B9E, B9F, B9G, B9H, B9I, B9J, B9K, B9L, B9M, B9N, B9O, B9P, B9Q, B9R, B9S, B9T, B9U, B9V, B9W, B9X, B9Y, B9Z, B0A, B0B, B0C, B0D, B0E, B0F, B0G, B0H, B0I, B0J, B0K, B0L, B0M, B0N, B0O, B0P, B0Q, B0R, B0S, B0T, B0U, B0V, B0W, B0X, B0Y, B0Z
Paper	IV
Name of the topic	Gene mutations.
Hours/periods required	3 hrs
Learning objectives	Changes occurred in the chromosomes
Previous knowledge to be reminded	Mutations and diseases caused by the changes.
Topic synopsis	Molecular basis of mutations. Lead to alterations in the sequence of nucleotide sequence of genetic material. Point mutations, Frame shift mutations. Alkalating agents, Deaminating agents, Intercalating agents & other agents.
Examples/illustrations	Crimson seedless grapes, multicolored chrysanthemum.
Additional inputs	Thomas Morgan's experiments
Teaching aids used	ICT Tools.
References cited	Telugu Academy; A.K. Sharma.
Student activity planned after Teaching	Preparation of the notes.
Activity planned outside the classroom if any	Observation of diseases caused by the mutations.
Any other activity	Preparation of list of diseases caused by mutations.

  
Signature of the lecturer


TARA GOVERNMENT COLLEGE (A), SANGAREDDY.  
TEACHING PLAN - 2020-2021

Name of the department/Subject	Botany
Name of the lecturer	Dr. S. Vijaya
Course/Group	BSc - BZ1, BSc B1B2, BSc, BSc B1B2.
Paper	IV
Name of the topic	Variation in chromosomes - Mutations
Hours/periods required	3hrs.
Learning objectives	Variations in chromosomes no & Structure
Previous knowledge to be reminded	Structure of Chromosomes, Special Chromosomes
Topic synopsis	A sudden change, physical & chemical mutagens, Gene & chromosomal mutations changes in the arrangement of gene chromosome ① Deletions ② Duplications ③ Inversions & Translocations. changes in the number of chromosomes - Euploids, Aneuploids & Polyploids.
Examples/illustrations	Muscular dystrophy, Hemophilia, Down Syndrome, Triple-X syndrome.
Additional inputs	Journals, Science Reports
Teaching aids used	Charts, Black board & chalk.
References cited	Textbook reading, A.K. Sharma.
Student activity planned after Teaching	Preparation of the Notes.
Activity planned outside the classroom if any	Collect the disease list caused to change.
Any other activity	Collect the information on mutations

  
Signature of the lecturer

TARA GOVERNMENT COLLEGE (A), SANGAREDDY.  
TEACHING PLAN - 2020-2021


Name of the department/Subject	Botany
Name of the lecturer	Dr. S. Vijaya
Course/Group	B.Sc - B2C, B1B1, B2B2, B2B3, B2B4
Paper	IV
Name of the topic	Linkage and Crossing over
Hours/periods required	3 hrs
Learning objectives	Theories & types of linkage & crossing over
Previous knowledge to be reminded	Different laws of Mendel
Topic synopsis	The phenomenon of inheritance of genes together & to retain their parental combination in the offspring. coupling & Repulsion crossing over: as a process of interchange of genetic material between non-sister chromatids. classical, chiasma & copy choice theory
Examples/illustrations	monohybrid & dihybrid ratios.
Additional inputs	Journals, Magazines.
Teaching aids used	ICT Tools
References cited	Techno Academy, P.S. Shukla
Student activity planned after Teaching	Preparation of the notes.
Activity planned outside the classroom if any	Observation of different types of plants.
Any other activity	Preparation for oral test.

  
 Signature of the lecturer



TARA GOVERNMENT COLLEGE (A), SANGAREDDY.  
TEACHING PLAN - 2020-2021

Name of the department/Subject	Botany
Name of the lecturer	Dr. S. V. Jaya
Course/Group	B.Sc - B2C, MSc, BZCS, MSc B2, BCCS B2P4
Paper	IV
Name of the topic	Mendelianism
Hours/periods required	6 hrs
Learning objectives	To learn about monohybrid & dihybrid crosses
Previous knowledge to be reminded	Chromosomes, cell divisions
Topic synopsis	Mendel's laws of inheritance: laws of dominance, laws of segregation & the laws of independent assortment Gene interaction; epistasis Dominant epistasis, recessive epistasis Duplicating genes.
Examples/illustrations	various plant species, fruits
Additional inputs	Journals, magazines
Teaching aids used	charts, classroom teaching
References cited	Telugu Academy, A.K Sharma
Student activity planned after Teaching	Preparation of notes with different exp.
Activity planned outside the classroom if any	Observation of various types of plants.
Any other activity	collection of different plant species.

  
 Signature of the lecturer

