

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR  
WOMEN(TTWRDCW),SURYAPET**

**DEPARTMENT OF BOTANY**

**COURSE OUTCOME MAPPING 2018-2019**

**SEMESTER:I**

**COURSE TITLE: Microbial Diversity and Lower plants**

**COURSE CODE: BS104**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	To study and understand the microbial flora and identify their roles.	Understand and Apply(II&III)
<b>CO2</b>	Demonstrate the various trends for classification of Algae,	Apply (III)
<b>CO3</b>	To understand the importance of Fungi and to relate the different classification systems to gain knowledge on the lower plants	Analyze(IV)
<b>CO4</b>	Classify and compare the structure and life cycle of Bryophytes	Remember (I)
<b>CO5</b>	Classify and compare the structure and life cycle of Pteridophytes	Remember (I)

**SEMESTER:II**

**COURSE TITLE: Bryophytes Pteridophytes, Gymnosperms and Palaeobotany**

**COURSE CODE: BS204**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Classify and compare the structure and life cycle of Bryophytes	Remember(I) &Analyze
<b>CO2</b>	Classify and compare the structure and life cycle of Pteridophytes	Remembe(I) & Analyze

<b>CO3</b>	Classify and compare the structure and life cycle of Gymnosperms	Remember(I) & Analyze
<b>CO4</b>	Students will gain Understanding the meaning of fossil and its use in the determination of age of plant materials, Understanding the applied knowledge and different aspects of Paleobotany	Understand(II)

### **SEMESTER:III**

**COURSE TITLE: Taxonomy of Angiosperms and Medicinal Botany**

**COURSE CODE: BS304**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Explain the Morphology of leaves	Remember(I)
<b>CO2</b>	Students will know the interesting features & systematic position of cucurbitaceae, Lamiaceae, fabaceae, asteraceae, poaceae, orchidaceae, etc	Understand (II)
<b>CO3</b>	Apply the Morphological concepts in the identification of plants and assign them to under appropriate families	Understand (II)
<b>CO4</b>	Students will learn new skills to conserve and propagate medicinal plants used in traditional medicine.	Apply (III)
<b>CO5</b>	Students will get an insight about ethnobotany and folk medicine.	Understand (II)

### **SEMESTER :IV**

**COURSE TITLE: Plant Anatomy, Embryology and Palynology**

**COURSE CODE: BS404**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Demonstrate the various types of cells and classification. Explain the complex tissues and leaf	Remember(I)& Understand (II)
<b>CO2</b>	Distinguish between primary and secondary structure of stem and root	Analyze (IV)

<b>CO3</b>	Familiarize with basic information in Structure and development of anther and Microsporangium	Remember(I)& Analyze (IV)
<b>CO4</b>	Familiarize with basic information in Structure and development of Megasporangium and Types of ovules	Remember (I)& Analyze (IV)
<b>CO5</b>	Compare the pollination, pollen morphology	Analyze (IV)

## **COURSE OUTCOME MAPPING 2019-2020**

### **SEMESTER:I**

**COURSE TITLE: Microbial Diversity and Lower plants**

**COURSE CODE: BS104**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	To study and understand the microbial flora and identify their roles.	Understand and Apply(II&III)
<b>CO2</b>	Demonstrate the various trends for classification of Algae,	Apply (III)
<b>CO3</b>	To understand the importance of Fungi and to relate the different classification systems to gain knowledge on the lower plants	Analyze(IV)
<b>CO4</b>	Classify and compare the structure and life cycle of Bryophytes	Remember (I)&Apply
<b>CO5</b>	Classify and compare the structure and life cycle of Pteridophytes	Remember (I)&Apply

### **SEMESTER :II**

**COURSE TITLE: Gymnosperms, Taxonomy of Angiosperms & Ecology**

**COURSE CODE: BS204**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Classify and compare the structure and life cycle of Gymnosperms	Remember(I) & Understand(II)
<b>CO2</b>	Explain the Morphology of leaves	Remember(I)& Understand(II)
<b>CO3</b>	Explain the Morphology of Flowers	Remember(I)& Understand(II)
<b>CO4</b>	Apply the Morphological concepts in the identification of plants and assign them to under appropriate families	Understand(II)
<b>CO5</b>	Assess various factors affecting the growth of vegetation	Apply(III)&Evaluate (V)

### **SEMESTER:III**

**COURSE TITLE: Taxonomy of Angiosperms and Medicinal Botany**

**COURSE CODE: BS304**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Explain the Morphology of leaves	Remember(I)&Apply
<b>CO2</b>	Students will know the interesting features & systematic position of cucurbitaceae, Lamiaceae,fabaceae,asteraceae,poaceae, orchidaceae, etc	Understand (II)
<b>CO3</b>	Apply the Morphological concepts in the identification of plants and assign them to under appropriate families	Understand (II)
<b>CO4</b>	Students will learn new skills to conserve and propagate medicinal plants used in traditional medicine.	Apply (III)
<b>CO5</b>	Students will get an insight about ethnobotany and folk medicine.	Understand (II)

**SEMESTER :IV**

**COURSE TITLE: Plant Anatomy, Embryology and Palynology**

**COURSE CODE: BS404**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Demonstrate the various types of cells and classification. Explain the complex tissues and leaf	Remember(I)& Understand (II)
<b>CO2</b>	Distinguish between primary and secondary structure of stem and root	Analyze (IV)
<b>CO3</b>	Familiarize with basic information in Structure and development of anther and Microsporangium	Remember(I) & Understand (II)
<b>CO4</b>	Familiarize with basic information in Structure and development of Megasporangium and Types of ovules	Remember (I) & Understand (II)
<b>CO5</b>	Compare the pollination, pollen morphology	Apply(III)&Analyze (IV)

**SEMESTER:V**

**COURSE TITLE: Cell Biology and Genetics**

**COURSE CODE: BS503**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Understand the types of cell organelles. Compare the Structure of chromosomes and cell divisions	Understand (I)Remember(I)& Evaluate (V)
<b>CO2</b>	Students will learn about genetic material DNA its structure, function and the process of replication	Understand (I)
<b>CO3</b>	Understand the Mendel's Laws, Multiple alleles, Polygenic inheritance	Understand (I)Remember(I)
<b>CO4</b>	Different laws of Genetics will be correctly understood by students alongwith transfer of characters from parents to offspring, interaction of genes & structure of chromosome	Understand (I)

<b>CO5</b>	Students will be introduced to concepts such as mutations and sex linked inheritance	Understand (I)
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**SEMESTER :VI**

**COURSE TITLE: Plant Physiology**

**COURSE CODE: BS603**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	understand the various physiological processes such as Ascent of Sap, Transpiration and Transport of ions	Understand (II )&Remember(I)
<b>CO2</b>	Understand the process of Photosynthesis, Respiration	Understand(II)&Remember(I)
<b>CO3</b>	Students will understand the role of various phytohormones & their applications in agriculture, horticulture, etc.	Understand (II )&Remember(I)
<b>CO4</b>	Students will be able to understand the various physiological life processes in plants and factors affecting these processes	Understand (II )&Remember(I)
<b>CO5</b>	During the course, students will gain knowledge about nitrogen fixation, seed dormancy and their applications in agriculture	Apply(III)&Analyze(IV)

**SEMESTER :VI**

**COURSE TITLE: Tissue Culture and Biotechnology**

**COURSE CODE: BS606**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Learn the tissue culture techniques	Understand (II)
<b>CO2</b>	perform the Micropropagation, Haploid culture and sysnthetic seed production	Remember(I)&Apply (III)

<b>CO3</b>	understand the genetic engineering, gene cloning	Understand(II)&Analyze IV)
<b>CO4</b>	Understand the gene cloning enzymes and cloning vectors	Understand(II)
<b>CO5</b>	Understand the gene transfer methods and BT applications	Understand(II)Analyze (IV)

## **COURSE OUTCOME MAPPING 2020-2021**

### **SEMESTER;I**

**COURSE TITLE: Microbial Diversity and Lower plants**

**COURSE CODE: BS104**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	To study and understand the microbial flora and identify their roles.	Understand and Apply(II&III)
<b>CO2</b>	Demonstrate the various trends for classification of Algae,	Apply (III)
<b>CO3</b>	To understand the importance of Fungi and to relate the different classification systems to gain knowledge on the lower plants	Understand(II)&Analyze(IV)
<b>CO4</b>	Classify and compare the structure and life cycle of Bryophytes	Remember (I)&Understand(II)
<b>CO5</b>	Classify and compare the structure and life cycle of Pteridophytes	Remember (I)&Understand(II)

### **SEMESTER :II**

**COURSE TITLE: Gymnosperms, Taxonomy of Angiosperms & Ecology**

**COURSE CODE: BS204**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Classify and compare the structure and life cycle of Gymnosperms	Remember(I)&Apply(III)
<b>CO2</b>	Explain the Morphology of leaves	Remember(I)&Apply(III)
<b>CO3</b>	Explain the Morphology of Flowers	Remember(I)&Apply(III)
<b>CO4</b>	Apply the Morphological concepts in the identification of plants and assign them to under appropriate families	Understand(II)
<b>CO5</b>	Assess various factors affecting the growth of vegetation	Evaluate (V)&Create(VI)

**SEMESTER:III**

**COURSE TITLE: Plant Anatomy & Embryology**

**COURSE CODE: BS304**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Demonstrate the various types of cells and classification. Explain the complex tissues and leaf	Remember(I) & Understand (II)
<b>CO2</b>	Distinguish between primary and secondary structure of stem and root	Analyze (IV)
<b>CO3</b>	Familiarize with basic information in Structure and development of anther and Microsporangium	Remember(I) & Understand (II)
<b>CO4</b>	Familiarize with basic information in Structure and development of Megasporangium and Types of ovules	Remember (I) & Understand (II)
<b>CO5</b>	Compare the pollination, fertilization and embryo	Apply(III)&Analyze (IV)



**SEMESTER :IV****COURSE TITLE: Plant Anatomy & Embryology****COURSE CODE: BS304****CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Demonstrate the various types of cells and classification. Explain the complex tissues and leaf	Remember(I) & Understand (II)
<b>CO2</b>	Distinguish between primary and secondary structure of stem and root	Apply(III)& Analyze (IV)
<b>CO3</b>	Familiarize with basic information in Structure and development of anther and Microsporangium	Remember(I) & Understand (II)
<b>CO4</b>	Familiarize with basic information in Structure and development of Megasporangium and Types of ovules	Remember (I) & Understand (II)
<b>CO5</b>	Compare the pollination, fertilization and embryo	Apply(III)& Analyze (IV)

**SEMESTER:V****COURSE TITLE: Cell Biology and Genetics****COURSE CODE: BS503****CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Understand the types of cell organelles. Compare the Structure of chromosomes and cell divisions	Remember(I)& Evaluate (V)
<b>CO2</b>	Students will learn about genetic material DNA its structure, function and the process of replication	Understand (II)
<b>CO3</b>	Understand the Mendel's Laws, Multiple alleles, Polygenic inheritance	Remember(I)& Understand (II)
<b>CO4</b>	Different laws of Genetics will be correctly understood by students alongwith transfer of characters from parents to offspring, interaction of genes & structure of chromosome	Understand (II)
<b>CO5</b>	Students will be introduced to concepts such as mutations and sex linked inheritance	Understand (II)

**SEMESTER:V**

**COURSE TITLE: Ecology and Biodiversity**

**COURSE CODE: BS506**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Students will get well versed with interrelationships between the living world and the environment, homeostasis and plant indicators.	Understand (II)
<b>CO2</b>	Concepts of population & community ecology will be understood	Understand (II)&Apply (III)
<b>CO3</b>	The course is intended to impart to students essential knowledge pertaining to uses of biodiversity	Understand (II)&Create (VI)
<b>CO4</b>	The course is intended to impart to students essential knowledge pertaining to loss of biodiversity and threats it faces	Understand (II)&Create(VI)
<b>CO5</b>	Explain the consequences of human activity (current economic and social issues) on the loss of biodiversity	Apply(III)&Evaluate(V)

**SEMESTER :VI**

**COURSE TITLE: Plant Physiology**

**COURSE CODE: BS603**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	understand the various physiological processes such as Ascent of Sap, Transpiration and Transport of ions	Understand (II)
<b>CO2</b>	Understand the process of Photosynthesis, Respiration	Understand(II)
<b>CO3</b>	Students will understand the role of various phytohormones & their applications in agriculture, horticulture, etc.	Understand (II)
<b>CO4</b>	Students will be able to understand the various physiological life processes in plants and factors affecting these processes	Understand (II)

<b>CO5</b>	During the course, students will gain knowledge about nitrogen fixation, seed dormancy and their applications in agriculture	Apply(III)&Evaluate(v)
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**SEMESTER :VI**

**COURSE TITLE: Tissue Culture and Biotechnology**

**COURSE CODE: BS606**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Learn the tissue culture techniques	Understand (II)
<b>CO2</b>	perform the Micropropagation, Haploid culture and synthetic seed production	Apply (III)
<b>CO3</b>	understand the genetic engineering, gene cloning	Understand (II)&Analyze IV)
<b>CO4</b>	Understand the gene cloning enzymes and cloning vectors	Understand (II)&Analyze IV)
<b>CO5</b>	Understand the gene transfer methods and BT applications	Understand (II)&Analyze (IV)

**COURSE OUTCOME MAPPING 2021-2022**

**SEMESTER;I**

**COURSE TITLE: Microbial Diversity and Lower plants**

**COURSE CODE: BS104**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	To study and understand the microbial flora and identify their roles.	Understand and Apply(II&III)
<b>CO2</b>	Demonstrate the various trends for classification of Algae,	Apply (III)
<b>CO3</b>	To understand the importance of Fungi and to relate the different classification systems to gain knowledge on the lower plants	Understand (II)&Analyze(IV)

<b>CO4</b>	Classify and compare the structure and life cycle of Bryophytes	Remember (I)&Apply(III)
<b>CO5</b>	Classify and compare the structure and life cycle of Pteridophytes	Remember (I)&Apply(III)

**SEMESTER :II**

**COURSE TITLE: Gymnosperms, Taxonomy of Angiosperms & Ecology**

**COURSE CODE: BS204**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Classify and compare the structure and life cycle of Gymnosperms	Remember(I)&Apply
<b>CO2</b>	Explain the Morphology of leaves	Remember(I)&Apply
<b>CO3</b>	Explain the Morphology of Flowers	Remember(I)&Apply
<b>CO4</b>	Apply the Morphological concepts in the identification of plants and assign them to under appropriate families	Understand(II)
<b>CO5</b>	Assess various factors affecting the growth of vegetation	Evaluate (V)

**SEMESTER:III**

**COURSE TITLE: Plant Anatomy & Embryology**

**COURSE CODE: BS304**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Demonstrate the various types of cells and classification. Explain the complex tissues and leaf	Remember(I)& Understand (II)
<b>CO2</b>	Distinguish between primary and secondary structure of stem and root	Analyze (IV)
<b>CO3</b>	Familiarize with basic information in Structure and development of anther and Microsporangium	Remember(I)
<b>CO4</b>	Familiarize with basic information in Structure and development of Megasporangium and Types of ovules	Remember (I)
<b>CO5</b>	Compare the pollination, fertilization and embryo	Analyze (IV)

**SEMESTER :IV**

**COURSE TITLE: Cell biology, Genetics & Plant physiology**

**COURSE CODE: BS404**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Understand the types of cell organelles. Compare the Structure of chromosomes and cell divisions	Remember(I)& Evaluate (V)
<b>CO2</b>	Understand the Mendel's Laws, Multiple alleles, Polygenic inheritance	Understand (II)&Remember(I)
<b>CO3</b>	understand the various physiological processes such as Ascent of Sap, Transpiration and Transport of ions	Understand (II)
<b>CO4</b>	Understand the process of Photosynthesis, Respiration	Understand(II)
<b>CO5</b>	Understand the growth regulators	Understand (II)

**SEMESTER:V**

**COURSE TITLE: Biodiversity and conservation**

**COURSE CODE: BS502**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	The course is intended to impart to students essential knowledge pertaining to uses of biodiversity	Create (VI)
<b>CO2</b>	The course is intended to impart to students essential knowledge pertaining to loss of biodiversity and threats it faces	Create(VI)
<b>CO3</b>	Explain the consequences of human activity (current economic and social issues) on the loss of biodiversity	Apply(III)
<b>CO4</b>	Demonstrate the strategies and measures in place for the conservation of biodiversity.	Understand(II)
<b>CO5</b>	Understand the legislative implications for the conservation and management of biodiversity in India.	Understand (II)

**SEMESTER :VI**

**COURSE TITLE: Tissue culture and biotechnology**

**COURSE CODE: BS602**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Learn the tissue culture techniques	Understand (II)
<b>CO2</b>	perform the Micropropagation, Haploid culture and synthetic seed production	Apply (III)
<b>CO3</b>	understand the genetic engineering, gene cloning	Understand (II)&Analyze IV)
<b>CO4</b>	Understand the gene cloning enzymes and cloning vectors	Understand (II)&Analyze IV)
<b>CO5</b>	Understand the gene transfer methods and BT applications	Understand (II)&Analyze (IV)

## **COURSE OUTCOME MAPPING 2022-2023**

### **SEMESTER:I**

**COURSE TITLE: Microbial Diversity and Lower plants**

**COURSE CODE: BS104**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	To study and understand the microbial flora and identify their roles.	Understand and Apply(II&III)
<b>CO2</b>	Demonstrate the various trends for classification of Algae,	Apply (III)
<b>CO3</b>	To understand the importance of Fungi and to relate the different classification systems to gain knowledge on the lower plants	Understand (II)&Analyze(IV)
<b>CO4</b>	Classify and compare the structure and life cycle of Bryophytes	Remember (I)&Apply(III)
<b>CO5</b>	Classify and compare the structure and life cycle of Pteridophytes	Remember (I)&Apply(III)

### **SEMESTER :II**

**COURSE TITLE: Gymnosperms, Taxonomy of Angiosperms & Ecology**

**COURSE CODE: BS204**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Classify and compare the structure and life cycle of Gymnosperms	Remember(I)&Apply
<b>CO2</b>	Explain the Morphology of leaves	Remember(I)&Apply

<b>CO3</b>	Explain the Morphology of Flowers	Remember(I)&Apply
<b>CO4</b>	Apply the Morphological concepts in the identification of plants and assign them to under appropriate families	Understand(II)
<b>CO5</b>	Assess various factors affecting the growth of vegetation	Evaluate (V)

**SEMESTER:III**

**COURSE TITLE: Plant Anatomy & Embryology**

**COURSE CODE: BS304**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Demonstrate the various types of cells and classification. Explain the complex tissues and leaf	Remember(I)& Understand (II)
<b>CO2</b>	Distinguish between primary and secondary structure of stem and root	Analyze (IV)
<b>CO3</b>	Familiarize with basic information in Structure and development of anther and Microsporangium	Remember(I)
<b>CO4</b>	Familiarize with basic information in Structure and development of Megasporangium and Types of ovules	Remember (I)
<b>CO5</b>	Compare the pollination, fertilization and embryo	Analyze (IV)

**SEMESTER :IV**

**COURSE TITLE: Cell biology, Genetics & Plant physiology**

**COURSE CODE: BS404**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Understand the types of cell organelles. Compare the Structure of chromosomes and	Remember(I)& Evaluate (V)



	cell divisions	
<b>CO2</b>	Understand the Mendel's Laws, Multiple alleles, Polygenic inheritance	Understand (II)&Remember(I)
<b>CO3</b>	understand the various physiological processes such as Ascent of Sap, Transpiration and Transport of ions	Understand (II)
<b>CO4</b>	Understand the process of Photosynthesis, Respiration	Understand(II)
<b>CO5</b>	Understand the growth regulators	Understand (II)

**SEMESTER:V**

**COURSE TITLE: Biodiversity and conservation**

**COURSE CODE: BS502**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	The course is intended to impart to students essential knowledge pertaining to uses of biodiversity	Create (VI)
<b>CO2</b>	The course is intended to impart to students essential knowledge pertaining to loss of biodiversity and threats it faces	Create(VI)
<b>CO3</b>	Explain the consequences of human activity (current economic and social issues) on the loss of biodiversity	Apply(III)
<b>CO4</b>	Demonstrate the strategies and measures in place for the conservation of biodiversity.	Understand(II)
<b>CO5</b>	Understand the legislative implications for the conservation and management of biodiversity in India.	Understand (II)

**SEMESTER :VI**

**COURSE TITLE: Tissue culture and biotechnology**

**COURSE CODE: BS602**

**CREDITS: 4+2**

	<b>COURSE OUTCOMES</b>	<b>BLOOM'S TAXONOMY LEVEL</b>
<b>CO1</b>	Learn the tissue culture techniques	Understand (II)
<b>CO2</b>	perform the Micropropagation, Haploid culture and synthetic seed production	Apply (III)
<b>CO3</b>	understand the genetic engineering, gene cloning	Understand (II)&Analyze IV)
<b>CO4</b>	Understand the gene cloning enzymes and cloning vectors	Understand (II)&Analyze IV)
<b>CO5</b>	Understand the gene transfer methods and BT applications	Understand (II)&Analyze (IV)