TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA	
Name of the Faculty : R.Sunitha Rani	**Department : Zoology**
Course/Group : B.Sc BZC & MZC	**Semister : I**
Subject : Zoology	**Topic : Animal diversity invertebrates**
Learning objectives:	Students are learn about comparion of all invertebrates and vertebrates
Previous knowledge required:	Students are already know the animal kingdom and Animal diversity
Synopsis:	• Protozoa general characters and classification • Porifera: canal system • Cnidaria / Coelenterata:obelra types study • Platyhelminthes: type study of schistosoma • Nemathelminthes:type study of dracunculus • Annelida:Hirudinaria and coelome • Arthropoda:Type study of Prawn Insect metamorphosis • Mollusca:type study of Pila, Pearl formation Echinodermata : Type study of star fish Regeneration
Illustrations/ Demonstration shown:	Explain the used chart ,slides Specimens
Teaching aids used:	Black board Chalk
References:	Telugu Academy
Student activity planned/ homework given:	Slip test Seminar

Sign of the faculty Principal's

TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA	
Name of the Faculty : R.Sunitha Rani	Department : Zoology
Course/Group : B.Sc BZC & MZC	Semister : ll
Subject : Zoology	Topic : Animal diversity vertibrates
Previous knowledge required:	Students are already know the difference between vertibrates and Invertibrates
Synopsis:	• Hemicordata : type study of Balanoglossus • Protochordata :cephalochordate Retrogressive metamorphosis • Pisces :Scoliodon , Fins • Amphibia :Parential care in Amphibians • Reptilia :Circulatpry System, temporal fosse in reptiles • Aves :Flight adaptation in Birds, Migression in Birds • Mammalia : Dentition in mammals, Rabbit Digestive system
Illustrations/ Demonstration shown:	Explain the used chart Slides
Teaching aids used:	Black board Chalk
References:	Telugu Academy
Student activity planned/ homework given:	Slip test Seminar

Sign of the faculty Principal's

TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA	
Name of the Faculty : R.Sunitha Rani	**Department : Zoology**
Course/Group : B.Sc BZC & MZC	**Semester : lll**
Subject : Zoology	**Topic : Muscle , Nerve impulse &Endocrine system**
Learning objectives:	Students are will learn About above topic gain the extra knowledge
Previous knowledge required:	Students are already know the muscle , Nerves, glands
Synopsis:	Muscle • Types of muscles • Structure of skeleton muscle • Mechanism of muscle contraction • Nerve impulse • Synaps • Types synapses • Endocrine system • Thyroid gland • Parathyroid glandAdrenal glands • Pancreas • Mechanism of hormone action • Male and Female hormone • Hormonal control of menstrual cycle in humans
Illustrations/ Demonstration shown:	Explain the used chart Slides
Teaching aids used:	Black board Chalk
References:	Teluguacademy
Student activity planned/ homework given:	Slip test Seminar

Sign of the faculty Principal's

TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA	
Name of the Faculty : R.Sunitha Rani	**Department : Zoology**
Course/Group : B.Sc BZC & MZC	**Semester : lll**
Subject : Zoology	**Topic : Animal Behaviour**
Learning objective.	Students are will learn about understand & extra knowledge .Above topic
Previous knowledge required:	Yes .students are above topic just basic knowledge
Synopsis:	Introduction • Types of behaviour • Instintive or Innativeabehaviour • Motivated Behaviour • Taxeslearning • Imprinting • Habituation • Trial and Error Learning • Classical conditioning • Operant or Instrumental conditioning • Social behaviour • Communication • Pheromones • Biological Rhythms • Biological clocks • Circadian Rhythms •
Illustrations/ Demonstration shown:	Explain the used by chart
Teaching aids used:	Black board Chalk
References:	Telugu academy
Student activity planned/ homework given:	Assissement Seminars

Sign of the faculty Principal's

TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA	
Name of the Faculty : R.Sunitha Rani	**Department : Zoology**
Course/Group : B.Sc	**Semester : VI Ecology,Zoogeographyand Evolution**
Subject : Zoology **Year : 2022**	**Topic : Ecology - I & II**
Learning objectives:	They have to know learn about verious Types of animals and their shelters &food.anddiffarent parks and Endangered species.
Previous knowledge required:	Students know some basic knowledge on Ecology, Environment.
Synopsis:	Ecosystem structure and functions,types of Ecosystem -Aquatic and terrestrial Biogeochemical cycles- Nitrogen,Carbon, Phosphorus and Water Energy flow in ecosystem Food Chain food web and ecological pyramids Animal Association – Mutualism,Commensalim,parasitism,competition,predation. Concept of species and dynamics and Ecological Succession Ecological Adaptations Environmental pollution – soluces, Effectand Control measures of Air, Water,Soil and Noise Pollution Wildlife conservation – National Parks and sactuaries of India, Endangered species.
Illustration/ Demonstration shown:	Charts
Teaching aids used:	Block board,chalk, charts
References:	Telugu Academy
Student activity planned/ homework given:	Seminar

Sign of the faculty

Principal's

TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA	
Name of the Faculty : R.Sunitha Rani	**Department : Zoology**
Course/Group : B.Sc BZC & MZC	**Semester : IV**
Subject : Zoology	**Topic : Embryology unit - IV**
Learning objectives:	Students are will understand the learn to be gain the knowledge about topic embryology
Previous knowledge required:	Students are already know the what is the embryology .
Synopsis:	Introduction of embryology • Gametogenesis •)Oogenesis • Spermatogenesis • Fertilization • Types of eggs • Types of cleavages • Development of biology • Formation of foetal membranes • Types of placenta • Regeneration
Illustrations/ Demonstration shown:	Used the black board
Teaching aids used:	Black board Chalk
References:	Telugu academy
Student activity planned/ homework given:	Assissement Slip test

Sign of the faculty

Principal's

TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA	
Name of the Faculty : R.Sunitha Rani	**Department : Zoology**
Course/Group : B.Sc, BZC	**Semester : V Ecology, Zoogeography and Evolution**
Subject : Zoology	**Topic : Zoogeography**
Learning objectives:	Students learn about different regions of animal funa..& climatic conditions.
Previous knowledge required:	Yes they are known some basic knowledge on some environmental conditions..
Synopsis:	Zoogeography regions – palaerctic, Nearctic ,Oriental, Australian and Ethiopian regions – their Climatic and faunal peculiarities. Wallace line, Discontinuous distribution Continental Drift. Biodiversity and hotspots of Biodiversity in India
illustrations/ Demonstration shown:	Charts
Teaching aids used:	Block board,chalk
References:	Telugu academy
Student activity planned/ homework given:	Slip test

Sign of the faculty Principal

TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA

Name of the Faculty : R.Sunitha Rani	**Department : Zoology**
Course/Group : B.Sc BZC	**Semester : VI Aquatic biology**
Subject : Zoology	**Topic : Brief introduction &Nutrient Cycles**
Learning objectives:	Aquatic biomes Some water funa Some climatic conditions in lakes & river
Previous knowledge required:	Some basic knowledge on water animals and their Climatic conditions.
Synopsis:	Introduction of aquatic biomes Fresh water Ecosystem Oceanic pelagic zone, marine benthic Zone Coral reefs Lake Origin and classification of lakes,lake as an Ecosystem,lake morphometry. Physico- chemical characteristics of fresh water bodies : light, temperature, Oxygen,Carbon dioxide. Nutrient Cycle Streams : different stages of stream development Physico- - chemical environment Sea Weeds Continental shelf
Illustrations/ Demonstration shown:	Charts
Teaching aids used:	Block board,chalk , charts
References:	Telugu academy
Student activity planned/ homework given:	Test

Sign of the faculty

Principal's

TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA	
Name of the Faculty : R.Sunitha Rani	**Department : Zoology**
Course/Group : B.Sc BZC & MZC	**Semester : VI Applied Zoology**
Subject : Zoology	**Topic : Aquaculture & Sericulture**
Learning objectives:	Students are will learn able to define aquaculture & sericulture and have better understanding what it is .
Previous knowledge required:	Students are already know the what is aquaculture& What is sericulture.
Synopsis:	Introduction of aquaculture • Types of fiheris • Fresh water fish culture • Prawn culture • Fishing gears • Fishing crafts • Induced breeding • Hatchery design ,& management • Transportation of fish and prawn seed • Preservation , processing of fishes • By products of fishes • Fish diseases – controle • Sericulture • Life cycle of Bommbyx Mori • Silk gland • Silk worm rearing technology • Rearing methods of mulberry silk worms • Spinning • Silk worm pest • Silk worm diseases
Illustrations/ Demonstration shown:	Used the chart Black board
Teaching aids used:	Black board Chalk
References:	Telugu Accadamy
Student activity planned/ homework given:	Seminar Assissement

Sign of the faculty

Principal's