



## TAMIL NADU VETERINARY AND ANIMAL SCIENCES UNIVERSITY

UNDERGRADUATE ADMISSION 2021-22

UNDER NRI /WARDS OF NRI / NRI SPONSORED CATEGORIES – 2021-22

### SYLLABUS FOR COMMON ENTRANCE EXAMINATION

#### **Biology:**

Taxonomy of Angiosperms, Plant Anatomy, Cell Biology & Genetics, Bio-technology, Plant Physiology, Biology in human welfare, Human Physiology – (Nutrition, Digestion, Bones & Joints, muscle, respiration, circulation, coordinating system, receptor organs, excretion, reproductive system), Microbiology, Immunology, Modern genetics, Environmental sciences, Applied Biology – Livestock & Management, Poultry farming techniques, Pisciculture, Medical lab techniques and Theories of Evaluation.

#### **Physics:**

Electrostatics, Current electricity, Effects of electric current, Electromagnetic induction and alternating current, electromagnetic waves & wave optics, atomic physics, dual nature of radiation, matter and relativity, nuclear physics, semiconductor devices and their applications and communication systems.

#### **Chemistry:**

Atomic structure, periodic classification, P-Block elements, d-Block elements, f-Block elements, Coordination compounds and bio-coordination compounds, nuclear chemistry, solid state, Solutions, thermodynamics, chemical equilibrium, Chemical kinetics, surface chemistry, electro chemistry, General Principles and Processes of Isolation of Elements, Isomerism in organic chemistry, hydroxyl derivatives, Alcohols, Phenols and Ethers, carbonyl compounds, carboxylic acids, organic nitrogen compounds, bio molecules, Polymers and chemistry in action.

#### **Mathematics:**

Relations and Functions, Application of Matrices & Determinants, Vector Algebra, Analysis of components, Linear Programming, Analytical Geometry, Differential Calculus, Integral Calculus, Differential equation, Discrete mathematics and Probability Distribution.

#### **NOTE:**

Subjects	No. of questions	
	BVSc & AH	BTech (Food Technology)
Biology	50	25
Physics	25	25
Chemistry	25	25
Mathematics	-	25
<b>Total</b>	<b>100</b>	<b>100</b>