



TAMIL NADU VETERINARY AND ANIMAL SCIENCES UNIVERSITY
UNDERGRADUATE ADMISSION 2020-21
UNDER NRI /WARDS OF NRI / NRI SPONSORED CATEGORIES - 2020-21

SYLLABUS FOR COMMON ENTRANCE EXAMINATION

Biology:

Reproduction in plants, Plant Genetics, Plant biotechnology, Plant Ecology, Economic Botany- Plant breeding and economically useful plants and entrepreneurial Botany. Reproduction in Organisms, Human Reproduction, Reproductive Health, Principles of Inheritance and Variation, Molecular genetics, Evolution, Human health and diseases, microbes in human welfare and Applications of Bio-technology, Organisms and population, Biodiversity and its conservation, environmental issues. Strategies for enhancement in Food production.

Physics:

Electrostatics, Current electricity, Magnetism and its effects of electric current, Electromagnetic induction and alternating current, electromagnetic waves, optics, atomic and nuclear physics, dual nature of radiation and matter, semiconductor electronics and communication systems. Recent developments in Physics.

Chemistry:

Metallurgy, P-Block elements, d-Block elements, f-Block elements, Transition and Inner transition elements, Coordination chemistry, solid state, Solutions, ionic equilibrium, Chemical kinetics, surface chemistry, electro chemistry, Hydroxy compounds and ethers, carbonyl compounds and carboxylic acids, organic nitrogen compounds, bio molecules, Polymers. Chemistry in everyday life.

Mathematics:

Relations and Functions, Application of Matrices & Determinants, Complex numbers, Theory of equations, Inverse Trigonometric functions, Analytical Geometry (Two dimensional and Three dimensional), Application of Vector Algebra, Linear Programming, Applications of Differential Calculus, Applications of Integration, Differential and partial Derivatives, Discrete mathematics and Probability Distribution, Ordinary Differential equation.

NOTE:

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