

# AAU VET Syllabi

## AAUVET - Biology

- Diversity in Living World
- Reproduction
- Structural Organization in Plants and Animals
- Genetics and Evolution
- Cell Structure and Function
- Improvement in Food Production
- Plant Physiology
- Microbes in Human Welfare
- Human physiology
- Biotechnology and Its Applications
- Ecology and environment

## AAUVET - Chemistry

- Some Basic Concepts of Chemistry
- Solutions
- Structure of Atom
- Electrochemistry
- Classification of Elements and Periodicity in Properties
- Chemical Kinetics
- Chemical Bonding and Molecular Structure
- Surface Chemistry
- States of Matter: Gases and Liquids
- p-Block Elements
- Thermodynamics General Principles and Processes of Isolation of Elements
- d and f Block Element
- Equilibrium
- Coordination Compounds
- Redox Reactions
- Haloalkanes and Haloarenes
- Hydrogen
- Alcohols, Phenols and Ethers
- s-Block Element (Alkali and Alkaline earth metals)
- Aldehydes, Ketones and Carboxylic Acids
- Some p- Block Elements
- Organic Compounds Containing Nitrogen
- Organic Chemistry-Some Basic Principles and Techniques
- Biomolecules

- Hydrocarbons
- Polymers
- Environmental Chemistry
- Chemistry in Everyday Life

### **AAUVET - Physics**

- Physical World and Measurement    Electrostatics
- Kinematics
- Current Electricity
- Laws of Motion
- Magnetic Effects of Current and Magnetism
- Work, Energy and Power
- Electromagnetic Induction and Alternating Currents
- Motion of System of Particles and Rigid Body
- Electromagnetic Waves
- Gravitation
- Optics
- Properties of Bulk Matter
- Dual Nature of Matter and Radiation
- Thermodynamics
- Atoms and Nuclei
- Behavior of Perfect Gas and Kinetic Theory    Electronic Devices
- Oscillations and Waves