

DAIRY FARM INSTRUCTOR



TECH. PSC

Center for all Technical PSC coaching



WE HELP YOU TO SHAPE YOUR FUTURE

EXAM DETAILS



METHOD OF RECRUITMENT

Direct

AGE LIMIT

19-36

QUALIFICATION

Graduation with either Mathematics or Biology as one of the optional subjects for the Pre-Degree course

NAME OF POST

DAIRY FARM INSTRUCTOR

DEPARTMENT

Kerala Dairy Development

NUMBER OF VACANCY

Anticipated

LEARN FROM ANYWHERE

- High Quality Recorded Classes
- Live classes
- Intensive class room coaching



More Info: techpsc.in



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EXPECTED SYLLABUS

DIARY FARM INSTRUCTOR SYLLABUS

PHYSICS SYLLABUS

- Introduction of Measurement
- Description of motion in one dimension
- Description of motion in two to three dimensions
- Laws of Motion
- Principles of Communication
- Solids and semiconductor devices
- Atomic Nucleus
- Dual nature of matter and radiations
- Optics
- Electromagnetic waves
- Electromagnetic Induction and Magnetic Current
- Magnetic effect of current and magnetism
- Current electricity
- Electrostatics
- Waves
- Oscillations
- Heat and Thermodynamics
- Mechanics of Solids and Fluids
- Gravitation
- Motion of system of particles and rigid body rotation
- Work, Energy & Power



CHEMISTRY SYLLABUS

- Basic concepts and atomic structure
- Bonding and molecular structure
- Solutions
- Redox reactions and electrochemistry
- Coordination compounds and organometallics
- Basic principles, purification and characterization of organic compounds
- Stereochemistry
- Organic compounds with functional groups containing halogens
- Polymers and biomolecules
- Environmental chemistry and chemistry in everyday life
- Organic compounds with functional groups containing nitrogen
- Organic compounds with functional groups containing oxygen
- Hydrocarbons
- Organic reaction mechanism
- Surface chemistry
- Chemical kinetics
- Chemical equilibrium
- Periodic properties of elements and hydrogen
- States of matter



BIOLOGY SYLLABUS

- Biodiversity And Conservation
- Structural Organization Of The Body
- Ecology And Environment
- Plant Kingdom
- Reproduction And Development In Animals
- Animal Kingdom
- Reproduction, Growth, Development
- Diversity In The Living World
- Physiology Of Animals
- Origin And Evolution Of Life
- Physiology Of Plants
- Biology In Human Welfare
- Genetics
- Biotechnology
- Cell And Cell Division



MATHS SYLLABUS

- Sets, Relations, and Functions, Complex Number, Quadratic Equations, Sequences and Series, Permutations, Combinations, Binomial Theorem and Mathematical Induction, Matrices and Determinants, Linear Inequations, Mathematical Logic & Boolean Algebra.
- Trigonometry Functions & Inverse Trigonometry Functions
- Cartesian System of Rectangular Coordinates, Lines, and Family of lines, Circles and Family of circles, Conic sections, Vector, Three Dimensional Geometry.
- Statistics and probability.
- Functions, Limit & Continuity, Differentiation, Application of Derivatives, Indefinite Integrals, Definite Integrals, Differential Equations.



DIARY TECHNOLOGY

DAIRY FARM MANAGEMENT

Introduction to Dairying

Design and Construction of Cattle shed Selection of Site for a Dairy farm

Dairy Cattle Physiology Digestive system

Dairy Cattle Management Handling of animals

Feeds and Feedings

MILK PRODUCTION, PROCESSING AND QUALITY CONTROL

Lactation

Milk

FLUID MILK PROCESSING Standards

Milk Products and Quality Assurance

Dairy Business Management and Entrepreneurship

Introduction to Dairy Extension

Dairy co-operative Management

Packaging of milk and milk products

Marketing of milk and milk products

Dairy Economics












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