

IBQ Syllabus

Class-11

Class-12

Diversity of Living Organisms

Cell Biology, Microbiology, Biotechnology & Structure and function of cells: chemical components, organelles, cell metabolism, protein synthesis, transport through membranes, and mitosis and meiosis

Structural Organisation in Plants & Animals

Animal Anatomy & Physiology (emphasis on vertebrates), Structure and function of tissues and organs involved in digestion and nutrition, circulation, reproduction and development, regulation (neural and hormonal), respiration, excretion, and immunity

Cell-Structure and Function

Anatomy & Physiology (emphasis on seed plants)
Structure and function of tissues and organs involved in photosynthesis, transpiration and gas exchange, transport of water, minerals and assimilates, growth and development, reproduction (ferns and mosses included)

Plant Physiology

Ethology, behavioural systems, conflict behavior, causes of behavior, and learned behavior

Human Physiology

Ecology, ecosystems, bio-geochemical cycles, population structure and dynamics, biosphere and man, food relationships, energy flow, and succession