

# BIOLOGY

## FOUNDATION COURSE

### - CURRICULA -

#### The kingdom of the plant

- Botany
- Plant and environment
- Main plant groups : Lower plants (Seaweed, Mushrooms, Lichens, Mosses), Higher spore plants (Ferns, Horsetails, Plauns, Seed plants, Gymnosperms, Angiosperms, Plant tissues, Vegetative organs of plants)
- Reproduction of flowering plants: Vegetative propagation, Generative organs of the plant (Flower and fruit, Seed, Fruit)
- Classification of flowering plants.
- The development of the plant world on Earth.

#### General biology

- Evolutionary doctrine.
- Development of the organic world
- Human Origins.
- Fundamentals of Ecology.
- Foundations of the doctrine of the biosphere.
- Fundamentals of Cytology.
- Reproduction and individual development of organisms
- Fundamentals of Genetics.
- Breeding basics.
- Biosphere and scientific and technological progress.

#### The animal kingdom

- Zoology
- Unicellular : The sarcode class, Class of flagellates, Ciliary class, Class of sporozoans,
- Multicellular : Type coelenterates, A type of flatworms (Class ciliary worms, Class tapeworms), Type of annelid worms, Roundworms type, Type of shellfish (Class gastropods, Class bivalve, Class crustaceans, Class arachnids, Class insects), Chordate type (Lancelet class, Classes cartilaginous and bony fish, Class amphibians, The class is reptiles, Bird class, Class mammals)

#### The diversity of the organic world

- Kingdom of viruses
- Viruses are infectious agents
- Empire of the Prokaryota
- Bacteria
- Eukaryote Empire
- Kingdom of mushrooms

Exam drills

#### Man and his health

- General overview of the human body
- . The musculoskeletal system
- . Blood
- . Blood circulation
- . Breathing
- . Digestion
- . Metabolism
- . Selection
- . Leather
- . The nervous system
- . Analyzers
- . Endocrine glands
  - Higher nervous activity
  - The development of the human body



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