

BIOLOGY

Syllabus and sample tasks

Topic I

The reproductive process in humans

- Gametes production.
- Fertilization.
- Embryo development and birth.

Topic II

The nervous system

- The structure and functions of the human brain.
- Spinal cord and reflex action.
- Vision and hearing.

Topic III

Genetics

- Chromosomes and heredity.
- Structure of a gene.
- Interpretation of monohybrid cross.
- Genetic variation.

Topic IV

Ecology

- Community and ecosystem. Food chains and food webs.
- Ecological pyramids and energy flow in food chains.
- The carbon and water cycle.
- Soil, air and water pollution.
- Soil erosion.