BIHAR BOARD CLASS 12 SYLLABUS 2027

BIOLOGY | Academic Session 2026–27

Subject-wise topics and chapter outline

This PDF is a topic-wise study guide prepared from publicly available 2026–27 BSEB syllabus summaries and standard subject outlines. It is not represented as an official BSEB-issued syllabus PDF. Confirm the final chapter list, deleted portions, practical work and prescribed textbook with the latest BSEB subject document before relying on it for examination preparation.

UNIT / CHAPTER	KEY TOPICS
Sexual Reproduction in Flowering Plants	Flower structure, micro- and megasporogenesis, pollination, fertilisation, seed and fruit development.
Human Reproduction	Male and female reproductive systems, gametogenesis, menstrual cycle, fertilisation, pregnancy and parturition.
Reproductive Health	Population control, contraception, reproductive health and sexually transmitted infections.
Principles of Inheritance and Variation	Mendelian inheritance, deviations, chromosome theory, linkage, crossing over and sex determination.
Molecular Basis of Inheritance	DNA and RNA, replication, transcription, translation, genetic code and gene regulation.
Evolution	Origin of life, evidence of evolution, natural selection and human evolution.
Human Health and Disease	Pathogens, immunity, common diseases, cancer, AIDS and prevention.
Microbes in Human Welfare	Household and industrial uses, sewage treatment, biogas and bio-control.
Biotechnology: Principles and Processes	Recombinant DNA technology, restriction enzymes, vectors, PCR and gene cloning.
Biotechnology and its Applications	Applications in medicine and agriculture, transgenic organisms and biosafety.
Organisms and Populations	Adaptations, population attributes and interactions.
Ecosystem	Productivity, decomposition, energy flow, food chains and ecological pyramids.
Biodiversity and Conservation	Biodiversity patterns, threats, extinction and conservation methods.

Official verification

Bihar School Examination Board: https://biharboardonline.com/ and Senior Secondary portal: https://seniorsecondary.biharboardonline.com/. Look for the Class XI–XII / Intermediate syllabus for session 2026–27.

Prepared for student reference. Subject combinations and optional subjects vary by school and registration.