



WEST BENGAL BOARD (WBBSE) · CLASS 8

Environment and Science (Poribesh o Bigyan)

WBBSE curriculum introducing physical and life sciences integrated under Poribesh o Bigyan, covering force, heat, matter, chemical reactions, cell biology, and biodiversity in Bengal.

Board: West Bengal Board of Secondary Education

Theory: 70 Marks

Internal/Practical: 30 Marks (Summative/Formative)

Exam Duration: 2½ Hours

UNIT-WISE SYLLABUS & MARKS BREAKDOWN

UNIT	CHAPTERS & PRESCRIBED TOPICS	MARKS
Physical Science	Force, Motion, Heat & Light Physical environment: Force and pressure (atmospheric pressure, liquid pressure), Heat (conduction, convection, radiation, state change), Light (reflection, refraction, optical phenomena in nature)	24
Chemical Science	Matter, Chemical Reactions & Nature of Elements Physical and chemical properties of matter, atomic structure basics, chemical reactions, air and oxides, common elements (hydrogen, oxygen, carbon), oxides and environmental effects	22
Life Science	Cell, Microbes, Ecosystem & Biodiversity Cell structure and functions, microorganisms and human welfare, human health and common infectious diseases, forests and biodiversity of Bengal (Sundarbans ecosystems), environmental conservation	24

INTERNAL / PRACTICAL ASSESSMENT SCHEME (30 MARKS (SUMMATIVE/FORMATIVE))

EVALUATION COMPONENT	MARKS WEIGHTAGE
Summative Evaluations (3 Terms) Term-wise written evaluations across the academic session	20 Marks
Internal Formative Evaluation (IFE) Project work, charts, science models, observation	10 Marks

RECOMMENDED REFERENCE LITERATURE

Prescribed Textbooks: WBBSE Poribesh o Bigyan Class VIII, Santra Publication, Excellence Foundational Bengal Notes

The Excellence Tuition Edge

Every unit in this curriculum is taught with structured conceptual lectures, followed by weekly speed-testing, detailed mistake analysis, and dedicated 1:1 doubt-clearing sessions to build board exam confidence.