



WB BOARD CLASS 9 SCIENCE

Class 9 Life Science & Environment

Life Science curriculum covering Whittaker's five kingdoms, biomolecules, cell organelles, plant and animal tissues, organ systems, plant physiology (photosynthesis, respiration, transpiration), human physiology (digestion, circulation, excretion), and human welfare immunology.

GOVERNING BOARD
WB Board

THEORY EXAMINATION
90 Marks

INTERNAL / PRACTICAL
10 Marks (IFE)

EXAM DURATION
3 Hours

UNIT-WISE SYLLABUS & MARKS BREAKDOWN

UNIT	CHAPTERS & PRESCRIBED TOPICS	MARKS
Unit 1	Jibon o tar Boichitro (Life & its Diversity) Characteristics of life, Five Kingdom classification, plant divisions, animal phyla (Porifera to Chordata)	18
Unit 2	Jiboner Sangothonik Sthor (Levels of Organization) Biomolecules (carbohydrates, proteins, lipids, nucleic acids), cell organelles, plant and animal tissues, human organs	22
Unit 3	Jibon Kriya (Physiological Processes) Photosynthesis (light/dark phases), respiration (glycolysis, Krebs cycle), nutrition, human heart & double circulation, nephron & excretion	25
Unit 4	Jibbidya o Manob Kolyān (Biology & Human Welfare) Immunity (innate & acquired), antibodies, vaccines, communicable diseases (malaria, tuberculosis, dengue, AIDS)	13
Unit 5	Poribesh o tar Sompod (Environment & Resources) Ecosystem structure, food chain, energy flow, biogeochemical cycles, natural resources conservation	12

INTERNAL / PRACTICAL ASSESSMENT SCHEME (10 MARKS (IFE))

EVALUATION COMPONENT	MARKS WEIGHTAGE
Written Annual Examination Group A (MCQ: 15), Group B (VSA: 21), Group C (SA: 24), Group D (LA: 30)	90 Marks
IFE Component Internal formative project, specimen record	10 Marks

RECOMMENDED REFERENCE LITERATURE

Prescribed Textbooks: Jibon Bigyan o Poribesh 9 (WBBSE), Santra Publication, Chhaya Prakashani, Excellence Bio 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.

