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Class 9

Biology 

Guess Paper

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FBISE CLASS 9 BIOLOGY

FINAL GUESS PAPER 2026 • FOR 2ND ANNUAL EXAM

This guess paper highlights the **most important and most repeated topics** for the FBISE Class 9 Biology 2nd Annual Exam 2026, organised unit-wise with priority tags for quick, focused revision.

UNIT 1: INTRODUCTION TO BIOLOGY

- Branches of Biology - Molecular, Microbiology, Marine, Biotechnology etc.
- Biology in Relation with Other Sciences
- Career Scope in Biology - Medical, Agriculture, Fisheries
- Five Kingdom Classification System - Chart with Examples **[MOST IMPORTANT - LONG]**

UNIT 2: SOLVING A BIOLOGICAL PROBLEM [MOST IMPORTANT FOR LONG QUESTIONS]

- Steps of Biological Method in Sequence **[MOST IMPORTANT]**
- Case Study of Malaria - From Observation to Law **[CONFIRMED LONG QUESTION]**
- Difference among Theory, Law and Principle
- Qualitative vs Quantitative Observations

UNIT 3: BIODIVERSITY

- Aims and Importance of Classification
- Taxonomic Ranks - Kingdom to Species **[MOST IMPORTANT]**
- Two Kingdom vs Five Kingdom System - Comparison
- Rules of Binomial Nomenclature with Examples **[MOST IMPORTANT SHORT]**
- Threatened Species of Pakistan - Markhor, Snow Leopard, Indus Dolphin

UNIT 4: CELLS AND TISSUES [DIAGRAM CHAPTER]

- Main Points of Cell Theory **[SHORT - IMPORTANT]**
- Light Microscope vs Electron Microscope - Comparison
- Prokaryotic Cell vs Eukaryotic Cell - Table **[VERY IMPORTANT]**
- Plant Cell vs Animal Cell - Labeled Diagram + Table **[TOP MOST - LONG]**
- Functions of Cell Organelles - Mitochondria, Chloroplast, Ribosomes, Nucleus **[MOST IMPORTANT]**
- Types of Plant and Animal Tissues

UNIT 5: CELL CYCLE

- Phases of Cell Cycle - Interphase + M-phase **[DIAGRAM IMPORTANT]**
- Mitosis vs Meiosis - Full Comparison **[MOST IMPORTANT - CONFIRMED LONG]**
- Significance of Mitosis and Meiosis
- Apoptosis vs Necrosis - Difference

UNIT 6: ENZYMES

- General Properties of Enzymes
- Lock and Key Model of Enzyme Action - With Diagram **[MOST IMPORTANT - LONG]**
- Factors Affecting Enzyme Activity - Temperature, pH, Substrate Conc. **[MOST IMPORTANT]**
- Specificity of Enzymes

UNIT 7: BIOENERGETICS [MOST IMPORTANT UNIT]

- ATP - Structure and Why it is called Energy Currency **[MOST IMPORTANT SHORT]**
- Photosynthesis - Balanced Equation, Process and Importance **[MOST IMPORTANT LONG]**
- Limiting Factors of Photosynthesis - Light, CO₂, Temp
- Aerobic and Anaerobic Respiration - Equations **[MOST IMPORTANT]**
- Comparison: Photosynthesis vs Respiration

UNIT 8: NUTRITION

- Autotrophic vs Heterotrophic Mode of Nutrition
- Plant Mineral Nutrition - Macro and Micro Elements
- Role of Fertilizers
- Main Components of Human Diet - Carbs, Proteins, Fats, Vitamins A, C, D **[MOST IMPORTANT]**
- Deficiency Diseases - Anemia, Goitre, Scurvy, Rickets **[IMPORTANT SHORT]**
- Human Digestive System - Parts and Functions with Diagram **[LONG + DIAGRAM]**

UNIT 9: TRANSPORT [HEART CHAPTER - MOST IMPORTANT]

- Definitions: Diffusion, Osmosis, Active Transport
- Uptake of Water and Minerals in Roots
- Transpiration - Meaning, Importance and Factors **[MOST IMPORTANT LONG]**
- Composition of Blood - RBC, WBC, Platelets **[TABLE IMPORTANT]**
- Human Heart - Structure and Working with Diagram **[100% EXPECTED LONG]**
- Difference among Artery, Vein and Capillary

TOP 10 MOST REPEATED LONG QUESTIONS

- 1 Biological Method with Malaria Example
- 2 Five Kingdom Classification System
- 3 Plant Cell vs Animal Cell with Diagram
- 4 Mitosis vs Meiosis + Importance
- 5 Lock & Key Model of Enzyme
- 6 Process of Photosynthesis + Significance
- 7 Aerobic vs Anaerobic Respiration
- 8 Human Alimentary Canal with Diagram
- 9 Structure and Working of Human Heart

TIPS FOR FBISE 2ND ANNUAL PAPER

- 1. Diagram Tip:** Biology k paper me diagram lazmi ate hy. Plant & Animal Cell, Mitosis Stages, Lock & Key Model, Human Heart, and Digestive System ke diagrams par daily practice karo. Labeling lazmi karo.
- 2. Presentation Tip:** Har long answer ko headings, table aur diagram se likho. Federal Board me neat work ko zyada marks milte hain.
- 3. Time Management:** Pehle Short Questions karo (40 mins), phir Long Questions with diagrams (1.5 hours), last me MCQs.
- 4. Important Trick:** Chapter 4, 5, 7, 9 se har saal 2 long questions aate hain. Inko full prepare kar lo to paper pass hai.
- 5. Past Papers:** Last 3 years ke 2nd annual papers ke MCQs repeat hote hain, unko lazmi yaad kar lo.

Good Luck! Prepare smart, revise the tagged topics daily, and practice diagrams by hand.