

Biology Class 9



Karachi Board

Target paper

CHAPTER #01

Introduction To Biology

Short Questions:

1. Define the Branches of Biology:
2. What are the contribution of Muslim Scientist
3. Describe the Relationship of Biology with other Fields

Long Question:

4. Describe the Level of Organization in living organism along with a flow chart:

CHAPTER # 02

Solving A Biological Problem

Short Questions

1. What are the steps to solve a biological problems? Define them:
2. Describe Data organization and data analysis with example:

Long Questions:

- 3 Describe the solution of a biological problem using the case of malaria

CHAPTER #03

Biodiversity

Short Questions:

1. What are the aims of Biodiversity:
2. What are the principles of biodiversity:
3. Explain the term Taxonomic Hierarchy along with units of classification:

Long Questions:

4. What are the causes and effects of deforestation?
5. Describe the Binomial Nomenclature system:
6. Describe Kingdom Classifications in detail along with flow charts of each classification:
7. Define Conservation of biodiversity write its causes & effects:

CHAPTER #04

Cell and Tissue

Short Questions:

1. Write the types of microscopes:
2. What are the postulates of Cell theory?
3. Describe Cell and its organelles:
4. Difference between: Animal and Plant cell. Prokaryotes And Eukaryotes
Nervous tissue, Muscle tissue

Long Questions:

5. Explain Plant Tissues and its types in detail:
6. Explain animal tissues and its types in detail:

CHAPTER # 05

Cell Cycle

Short Questions:

1. Explain Mitosis cycle in detail along with diagram:

Long Questions:

2. Explain the mechanism of Meiosis cycle along with diagrams:

CHAPTER # 06

Enzymes

Short Questions:

1. What are the properties of enzymes.
2. Explain the Factors that are affecting enzymatic activity: Also draw its graph:
3. What are the Modes of action of Enzymes.

CHAPTER # 07

Short Questions:

Bioenergetics

1. What is Bioenergetics and describe the role of ATP:
2. Define photosynthesis along with its formula:
3. What is limiting factor?

Long Questions:

4. What are the phases of Photosynthesis:
5. Describe Respiration and its types in detail:

CHAPTER # 08**Short Questions**

1. Write types of Heterotrophic nutrition:
2. How organism obtain nutrition: explain in organism amoeba along with its diagram:
3. What is Malnutrition and write its types:
4. What are the disease caused by deficiency of protein:
5. What are the diseases caused by deficiency of minerals: NNO

Long Questions:

6. Explain the mechanism and components of Human Digestive system in detail:
7. Write components of human food in detail:

**CHAPTER # 09****Transports****Short Questions:**

1. Define respiration and its types:
2. What are the uses of respiration in the body of organism:
3. Describe active and passive transport:
4. Describe the process of uptake of water from soil and mineral transport:
5. What is the mechanism of opening and closing of stomata:
6. Write down the factors that are affecting the rate of transpiration:
7. Define Transpiration:
8. Write the mechanism of transport of water and food in stem:
9. How many types of circulatory system are present in living organism: Explain them:

Long Questions:

10. Explain the mechanism of transport in Man in detail:
11. Write a short note on disorders of Blood:
12. Explain the Cardiovascular disorders: