



# BOARD OF SECONDARY EDUCATION KARACHI

## NEW MODEL QUESTION PAPER

S.S.C. (ANNUAL ) EXAMINATIONS

## BIOLOGY (THEORY) PAPER-I

CLASS IX (SCIENCE GROUP)

Time: 3 Hours

(Marks: 60)

### SECTION "A" (20%)

#### MULTIPLE CHOICE QUESTIONS (MCQs) (12 Marks)

Q.1. 12 MCQs will be given from whole syllabus. Each carries 1 Mark.

### SECTION "B" (40%)

#### (SHORTANSWERS QUESTIONS) (24 marks)

**Note: Answer any Eight (8) questions from this section. Each carries 3 marks.**

- Q. 2 Name and define any three branches of biology.
- Q. 3 Name the main organ found in:  
i) Reproductive System (ii) Respiratory System (iii) Excretory System
- Q. 4 Write any three principles of Binomial nomenclature.
- Q. 5 Draw labelled diagram of cell cycle.
- Q. 6 Write down any three uses of enzymes.
- Q. 7 Write down the importance of anaerobic respiration.
- Q. 8 What are subcellular or Acellular particles?
- Q. 9 What do you know about reasoning and its type in Biological Methods.
- Q. 10 Write three leading causes of death in Pakistan?
- Q. 11 Draw neat and labelled diagram of Villus of human being.
- Q. 12 What are main components found in Circulatory System in man?
- Q. 13 Describe the structure of Chloroplast. (Diagram is not required)

### SECTION- "C" (40%)

#### (DESCRIPTIVE ANSWER QUESTIONS) (24 Marks)

**Note: Answer any four (4) questions from this section. Each carries 6 marks.**

- Q. 14 Draw a neat and Labelled diagram of Human Digestive System OR Transverse Section of Root.
- Q. 15 What are characteristics of chronic malnutrition and acute malnutrition? Point out any three social problems related to malnutrition.
- Q. 16 Write down six differences between Photosynthesis and Respiration.
- Q. 17 Describe any one of the following blood disorder with the heading of Symptoms and Causes.  
i) Leukemia (ii) Thalassemia
- Q. 18 Describe the fluid mosaic model of cell membrane.
- Q. 19 Describe Chemical Process of Energy Transmission.