

## SECTION 'B' (Short-Answer Questions) (12)

### NOTE:

2. Attempt any four part questions. Each question carries ONE mark. Answer should not be exceed more than two lines

- Define Homeostasis.
- What is amitosis?
- Mention number of autosomes and sex chromosomes in a human cell.
- Name four parts of an Angiospermic flower.
- Define Apomixis.
- Why hydrophytes do not have cuticle on stem and leaves?
- Name various types of RNA involved in protein biosynthesis.

3. Attempt any four part questions. Each question carries two marks. Answer should not exceed five lines.

- State the law of segregation?
- Name various techniques of tissue culture and discuss any one.
- Make a cross between a color blind male and normal female and mention result.
- Mention different types of chromosomes according to the position of centrometre.
- What is the difference between Lentic and Lotic water? Name the subdivisions of lentic water.
- Define mutation. How does ionization radiation damage the DNA?
- Define tropic movement. Name various types of tropic movement in plants.

viii) Briefly discuss abiotic components of Tropical rain forest.

## SECTION "C" (Detailed Answer Questions)(08)

NOTE: Attempt Two questions from this section. All questions carries equal marks.

- State Mendel's law of independent assortment with the help of checker board.
- How plants respond to environmental stress? State any three.
- Describe prophase 1 of meiosis (No diagram needed)
- Give a brief description of structure of DNA.

نوٹ: سال 2020 میں گیارہویں اور بارہویں جماعت کے امتحانات نہیں ہوئے تھے۔