

## **SECTION - B (SHORT ANSWER)**

**Note:** Answer any EIGHT of the following questions. Each question carries 02 marks.

- Q.2 Which of the phyto-hormone is considered as growth inhibitor and why?
- Q.3 How Herbivory is stress for plants and how plants cope from this stress?
- Q.4 Why "Hetero-Chromatin" part of chromosome is never expressed?
- Q.5 Why Ethene is considered as fruit ripening hormone and how does ethane ripens the fruit?
- Q.6 Why coniferous forests are named so and where these forests are located in Pakistan?
- Q.7 Why secondary succession is more rapid than primary succession?
- Q.8 On the basis of position of centromere enlist the four types of chromosomes.
- Q.9 Distinguish between any ONE of the following in tabulated form:
- (i) Klinefether's Syndrome and Turner's Syndrome
  - (ii) Vascular Cambium and Cork Cambium
- Q.10 Why Rh incompatibility could be a danger to the developing foetus and mother?
- Q.11 Define any TWO of the following.
- (i) Topography
  - (ii) Tundra
  - (iii) Mitotic Apparatus
  - (iv) Corymb
- Q.12 What is ecological Niche?
- Q.13 Why abnormal daughter cells are produced during cell division?

## **SECTION - C (DESCRIPTIVE ANSWER)**

**Note:** Answer any TWO of the following questions. Each question carries 05 marks.

- Q.14 What is mono hybrid cross? Describe the law of inheritance which explain the inheritance of mono hybrid cross?
- Q.15 Describe the experiment of Griffith, Hershy and Chase to prove that "DNA is the hereditary material".
- Q.16 What do you mean by karyokinesis? Describe various stages of karyokinesis of somatic cell division.