

* Sunken Stomata

* Hydathodes ✓

* Lenticels

(xvi) Death of cell due to injury is called:

* Apoptosis ✓

* Necrosis

* Mitosis

* Meiosis

SECTION "B" (Short Answer Question) Marks: 16

2. Attempt any Eight part questions. Each question carry one mark. Answer should not exceed two lines.

- i) How plants cope with the Herbivory?
- ii) Name various Nitrogen bases of DNA.
- iii) Differentiate any one of the following:
(a) DNA and RNA (b) Autosome and Sex Chromosome
- iv) What is a gene?
- v) Define Mitotic Apparatus
- vi) What Paratonic Movement?
- vii) How abscissic acid responds to drought?
- viii) Define Lentic Water.
- ix) Name various aspects of homeostasis
- x) Define Double Fertilization.

3. Attempt any Four part questions Each question carries two marks. Answer should not exceed

- i) What is Test Cross? Why is it performed?
- ii) Draw a chart to show the chemical composition of chromosome.
- iii) Differentiate any one of the following:
a) Mitosis and Meiosis b) Neritic and Oceanic
- iv) Write note on any one of the following:
a) Seed Dormancy b) Photoperiodism
- v) Write note on coniferous forests of Pakistan.
- vi) Define Invitro Fertilization.

Section C (Detailed –Answer Question) (8

NOTE: Attempt any One question from this section.

All questions carry equal marks.

4. a) Explain multiple allele with the help of Human Blood Group.
b) Describe various Climatic factors as abiotic components of an ecosystem
OR Name various stages of xerosere. Describe only two
5. a) Describe sex linked inheritance in man with reference to color blindness
b) Describe various stages of Prophase of Meiosis. (Diagram not required)
6. a) Describe Watson and Crick model of DNA.
b) What are Phytohormones? Name various Phytohormones. Discuss any four roles of Auxins.