

**Hemchandracharya North Gujarat University**  
**Community College**  
**Advanced diploma in Agriculture and Soil Sciences**  
**Semester-I**  
**End Term Examination, December 2018**  
**AS 103 –Economic of botany and botany of field crops**

**Time: 2 hrs**

**Date: 12/12/2018**

**Marks: 40**

**Q.1 Answer all questions. Each question carries 1 mark**

**(10\* 1=10 Marks)**

1) The study of crop cultivation and its application is:

- A) Physiology                      B) Mycology                      C) Agriculture                      D) Paleobotany

2) Dicot has adventitious root. True/False

3) Define: Leaf

4) \_\_\_\_\_ attaches leaf to stem.

- A) Petiole                      B) Stipules                      C) Veins                      D) Midrib

5) \_\_\_\_\_ is example of tap root.

- A) Dhatureo                      B) Grass                      C) maize                      D) Banana

6) Give example of whorled phyllotaxy.

7) Maize leaf has \_\_\_\_\_ type of venation.

- A) Parallel Unicostate                      B) Reticulate Unicostate  
C) Parallel Multicostate                      D) Reticulate Multicostate

8) \_\_\_\_\_ is example of spice.

- A) Ginger                      B) Coffee                      C) Tea                      D) Lime

9) Define: Leaf Incision

10) Give example of plant provide natural fiber.

**Q. 2. Answer any 4 questions. Each question carries 5 marks**

**(5\*4=20 Marks)**

1. Explain: Stem Modifications
2. Explain: parts of leaf with a labeled diagram
3. What is Stipule? Explain types of stipule with example.
4. Explain: Venation with example
5. Write three examples for pulses. Cereals and beverages.

**Q.3 Answer any 1 question. The question carries 10 marks.**

**(1\*10=10 Marks)**

1. Plants and their uses to mankind.
2. Explain in detail Types of leaves with example and chart