

**Hemchandracharya North Gujarat University**  
**Advance Diploma in Agriculture and Soil Science**  
**Semester I End Examination December 2016**  
**AS 103 Botany of Field Crops and Their Economic Importance**

Time: 2 hrs

Date: 21/12/2016

Maximum marks: 40

**Q.1 Answer all questions. Each question carries 1 mark (10\*1=10 Marks)**

1. Define : Ecology
2. Flowering plants that complete two years for completing its life cycle is \_\_\_\_\_.
3. Define: Leaf
4. Match the following.

|        |           |
|--------|-----------|
| Clove  | vegetable |
| Apple  | Pulses    |
| Carrot | Fruit     |
| Bean   | Spice     |

5. Potatoe is Modified Root and Modification is For Food Storage. True or False .
6. The green and protective part of Flower is.  
A. Androcium      C. Gynocium  
B. Calyx          D. Corolla
7. Pollination occurs with help of wind is known as \_\_\_\_\_.
8. Clove is \_\_\_\_\_  
a. Unopen flower    b. Unopen Fruit  
b. Unopen leaf      d. None of the above.
9. Define : Inflorescence
10. Give Scientific Name of : Coffee
11. Potato Belongs to which Family?  
a. Solanace          b. Rubiaceae  
c. Apocyanaceae    d. Malvaceae

**Q. 2 Answer any 4 questions. Each question carries 5 marks (5\*4=20 Marks)**  
**(SHORT QUESTIONS)**

1. Explain: Seed
2. Explain: parts of Leaf and compound leaf with appropriate diagram
3. Describe four parts of flower
4. Stem and its modification
5. Give Note on: Pollination and Its Types.

**Q.3 Answer any 1 question. The question carries 10 marks. (1\*10=10 Marks)**  
**(DESCRIPTIVE QUESTIONS)**

1. How plants are useful to us?
2. Give Detail Note on: Fruits