

**Pramukh Swami Science and H.D.Patel Arts College, Kadi**  
**CC-Agriculture and Soil Sciences**

Internal Examination Semester II  
Subject: 201 Soil fertility and nutrient management

Time: 2 hrs

Date: 10/04/2015

Marks: 40

**Q.1 Answer any 10 questions. Each question carries 1 mark.**

[10\*1=10]

1. Soil \_\_\_\_\_ means crop producing capacity of a soil which measured in yields.  
a) productivity b) fertility c) management d) minerals
2. Full form of CSHT for management of soil:  
a) Cornell Soil Health Test                      b) Cornell Solid Health Test  
c) Cornell Salinity Health Test                d) none of above
3. Plant ash contains about \_\_\_\_\_ mineral elements.  
a) 10 b) 20 c) 30 d) 40
4. Plants absorb nutrients mostly through:  
a) Leaves b) stem c) roots d) seeds
5. Micro nutrients are called micro because they are:  
a) less important b) small in size c) needed in small amounts d) all of the above
6. Define Fertilizer.
7. Which of the following does not come under the category of 'secondary nutrient' for plant growth?  
a) Magnesium b) oxygen c) sulphur d) calcium
8. Commercial fertilisers are available mostly in the form of  
a) liquid b) powder c) granules d) none of these
9. Which is not included in method of placement fertilizer application?  
a) plough sole b) deep c) localized d) hill
10. Application of fertilizer through irrigation water is also known as  
a) fertigation b) Aerial application c) Injection into soil d) basal application

**Q.2 Answer any 4 questions. Each question carries 05 marks.**

[4\*4=20]

1. Explain cover crops (green manure).
2. Explain tillage system used in soil management.
3. Discuss the broadcasting as solid fertilizer application.
4. Write a note on vermicompost
5. Discuss the potassic chemical fertilizer

**Q.3 Answer any 2 questions. Each question carries 20 marks.**

[2\*10=20]

1. Define plant nutrients. Explain plant nutrients with their types and functions.
2. Describe the classification of chemical fertilizers. Explain nitrogenous fertilizer