

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN
COMMUNITY COLLEGE

Advanced Diploma in Agriculture and Soil Sciences
Semester II End Term Examination, April 2018
Paper AS 201 Soil Fertility and Nutrient Management

Time: 2 Hours

Date: 24/04/2018

Marks: 40

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

[10*1=10]

1. Which method is use to estimate mineral content from the plants.
A) Leaf ash B) stem ash C) root ash D) flower ash
2. soil _____ means crop producing capacity of a soil which measured in yields.
A) Productivity B) fertility C) management D) minerals.
3. plant ass contain about _____ mineral elements.
A) 10 B) 20 C) 30 D) 40
4. define : fertilizer.
5. Major two nutrients which require by plants in largest amount are N and _____.
A) Zinc B) Copper C) Sulphur D) Potassium
6. Nitrogen content in all fertilizers comes from _____.
A) Water B) Gas C) Air D) None of above
7. Which one of the following is major nutrient?
A) Potassium B) Molybdenum C) Boron D) zinc
8. What is full form of PSB?
9. Give two example of Free living Nitrogen Fixing Microorganism.
10. _____ is Nitrogen fixing Microorganism.
A) *Azotobacter* B) *Pseudomonas* C) *Bacillus sp.* D) None of These.

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

[4*5=20]

1. Explain crop rotation of soil management in detail.
2. Explain potassic fertilizers in detail.
3. Explain tillage system used in soil management.
4. Write a note on vermicompost.
5. Explain role of micro nutrients in plant.

Q.3 Answer any 1 questions. Each question carries 10 marks.

[1*10=10]

1. Explain nitrogenous fertilizers in detail.
2. Explain soil management in detail.