

Hemchandracharya North Gujarat University
Community College
Advance Diploma in Agriculture and Soil Science
Semester- I

Internal Examination, November-2018

Subject Code: - AS- 102

Subject: - Fundamentals of Soil Sciences, Fertility and Management

Date: 16/11/2018

Time: 2 hours

Total Marks: 40

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

(10*1=10 Marks)

1. A well developed soil have _____.
[A] A-horizon [B] B-horizon
[C] C-horizon [D] All of these
2. Soil formation is _____.
[A] a slow process [B] a fast process
[C] a slow and continuous process [D] an indigenous process
3. A branch of science that deals with the study of origin of the soil, its classification and description is known as _____.
[A] Edapology [B] Ecology
[C] Pedology [D] Geology
4. A soil having pH 6.0 is called _____.
[A] Acidic soil [B] Alkaline soil
[C] Saline soil [D] Normal soil
5. The vertical section of soil, which shows different horizons, is called _____.
[A] Soil horizon [B] Soil profile
[C] Soil pedon [D] None of these
6. Which of the following is a micro nutrient?
[A] Calcium [B] Nitrogen
[C] Phosphorus [D] Zinc
7. Deforestation has an alarming affect on _____.
[A] Weed control [B] Soil erosion
[C] Insect pest control [D] None of these
8. The particle size of clay soil is _____.
[A] 0.2-2.0mm [B] 0.02-0.2mm
[C] 0.02-0.002mm [D] less than 0.002mm
9. Urea belongs to which group?
[A] Amide [B] Alcohol
[C] Nitrate [D] None of these
10. Muriate of potash contain _____.
[A] 50 % K₂O [B] 40 % K₂O
[C] 60% K₂O [D] 75% K₂O

[P.T.O.]

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

1. Write down the nitrogenous fertilizers in detail
2. Write down soil forming process.
3. Write down in detail soil structure.
4. Write down in detail component of soil.
5. Write down Soil water in detail.

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

1. Write down saline and alkaline soil in detail.
2. Write down acid soil in detail.