Hemchandracharya North Gujarat University
Advance Diploma in Agriculture and Soil Science
Semester I End Examination December 2016
Subject: - AS – 101Principle of Agronomy and Metrology

Time: 2 hrs **Date: 19/12 /2016** **Maximum marks: 40**

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

1. CO_2 content in atmosphere is.....%

a.0.03 b. 0.3 c.0.003 d.3.00

2. Removal of excess plant from the thick populated field is known as..

a. Weeding b. Thinning c. Gap filling d. Topping

3. The word agronomy is derived from two.....words

a. American b. Latin c. Greek d. Hindi

4. Average physical state of atmosphere

a. Weather b. Climate c. Temperature d. Relative humidity

5. .....is climate control

a. Altitude b. Wind c. Temperature d. Humidity

6. Certified seed produced from

a. Registered seed b. Foundation seed c. Breeder seed d. viable seed

7.....is legume crop

a. groundnut b. Wheat c. Maize d. Sorghum

8. Optimum sowing time for most of the rabi crops is..... months.

a. June – July b. January – February c. April – May d. Oct- Dec.

9. The layer between 50 and 80km of atmosphere is called

a. Thermosphere b. Stratosphere c. Mesosphere d. Thermosphere

10. ..... is an extreme form of minimum tillage.

a. Zero tillage b. Wet tillage c. Dry tillage d. Row zone tillage

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

1. Define A. Green manure B. Cropping System C. Relay cropping

D. agronomy E. Precipitation

2. What is seed and enlist the criteria of good seed.

3. Differentiate the following. A. Weather and climate B. Inter and mixed cropping

4. Write short note: Role of agronomist

5. Write principles of crop rotation

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

1. Explain methods of sowing with its advantages and disadvantages.

2. Explain factor affecting crop production or crop growth.