

Pramukh Swami Science and H.D. Patel Arts College, Kadi
CC- Agriculture and Soil Sciences
Internal Examination Semester I
Subject: AS-101 (Principles of Agronomy and meteorology)

Time: 2 hrs

Date: 2/11/2015

Marks: 40

Q-1. Select the appropriate answer from the following

(10*1=10)

1. is an extreme form of minimum tillage.
a. Zero tillage b. Wet tillage c. Dry tillage d. Row zone tillage
2. is the physical condition of soil obtained out by tillage.
a. Puddling b. Tilth c. Vaspa condition d. Soil structure
3. Registered seed is produced from seeds.
a. Breeder b. Foundation c. certified d. viable
4. is growing two or more crops simultaneously on the same piece of land with definite row pattern.
a. Mixed cropping b. Mono cropping c. Inter cropping d. Multiple cropping
5. Unit of cloud measurement
a. Pascal b. Octa c. C⁰ d. km/h
6. Average physical state of atmosphere
a. Weather b. Climate c. Temperature d. Relative humidity
7. The tillage operation that is carried out between the lines in a standing condition of crop is called as..
a. Planking b. Ploughing c. Interculturing d. Puddling
8. CO₂ content in atmosphere is.....%
a. 0.03 b. 0.3 c. 0.003 d. 3.00
9. Optimum sowing time for most of the kharif crops is..... months.
a. June – July b. January – February c. April – May d. August- Sept.
10. Removal of excess plant from the thick populated field is known as..
a. Weeding b. Thinning c. Gap filling d. Topping

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

(4*5=20)

1. Define/Explain the following
a. Agriculture b. Agronomy c. Cropping pattern d. Relay cropping
e. Green manuring
2. Write short note : Role of agronomist
3. Enlist the agro climatic zone of Gujarat and explain type of Indian rain fall and its characteristics.
4. Differentiate the following. A. Weather and climate B. Inter and mixed cropping
5. What is seed and enlist the criteria of good seed.

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

(1*10=10)

1. Explain factor affecting crop production or crop growth.
2. Explain methods of sowing with its advantages and disadvantages.