

Pramukh Swami Science and H.D. Patel Arts College, Kadi
CC- Agriculture and Soil Sciences
Internal Examination Semester III
Subject: AS-304 [Agronomy of Field Crops - II (Rabi crops)]

Time: 2 hrs

Date: 5/11/2015

Marks: 40

Q-1. Select the appropriate answer from the following. (10*1=10)

1. provide safe guard against wind velocity and water lodging in maize.
a. Thinning b. Gap filling c. Earthing up d. Weeding
2. Ploughing in standing water in rice.
a. Puddling b. Tilth c. Vassa condition d. Soil structure
- 3..... Herbicide used as pre emergence in maize
a. Pendimethalin b. Oxyfluorfen c. Targa super d. Atrazine
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. is green manure crop.
a. Maize b. Wheat c. Dhaincha d. Castor
6. Which chemical used for seed treatment of cotton.
a. H₂SO₄ b. Thiram c. Captan d. Rhizobium
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. 1st commercial hybrid cotton
a. Hybrid cotton 1 b. Hybrid cotton 2 c. Hybrid cotton 3 d. Hybrid cotton 4
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. Intercropping b. Agronomy c. Earthing up d. Relay cropping
e. Green manuring
2. Write short note: Economic importance of cotton and sesame
3. Write short note: Economic importance of soybean and castor
4. Differentiate the following (Any two). A. Pulses and legumes B. organic manures and Inorganic fertilizers C. Gap filling and thinning
5. Package of practice of fodder sorghum.

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

1. Package of practice of rice.
2. Package of practice of green gram.
(Botanical name, family, area and distribution, economic importance, climatic requirement, soil, field preparation, time and method of sowing, seed treatment, spacing, seed rate, manures and fertilizer, irrigation, weeding and interculturing, harvesting, varieties, yield)