

Agriculture and Forestry University
Office of the Controller of Examinations
Rampur, Chitwan
2079, Bhadra

Faculty	Agriculture		
Exam	Regular		
Level	Bachelor	Full Marks	40
Program	B. Sc. Ag.	Pass Marks	16
Year and Semester	1 st Year 2 nd Semester	Time	2:00 hrs.

Subject : AGR 102 , 3(2+1) Cereal Crops

Candidates are required to give their answers in their own words as far as practicable. All questions carry equal marks. Answer any 10 questions.

1. Differentiate between cereals and pseudo-cereal. Describe the procedure of wet bed methods nursery raising for planting the 1 ha of main field.
2. Differentiate the cropping system and farming system. Explain the major challenges of rice-wheat system in Terai and inner Terai of Nepal. Describe the approaches to sustain the yield present practice of rice -wheat system.
3. Why PI of rice, Knee high and tasseling - silking of maize and CRI of wheat are considered as the critical growth stages? Describe the water management practices of spring wheat.
4. Outline the maize-millet cropping system of Nepal across the different agro-ecology of Nepal. Mention the package of practices of finger millet in mid hills of Nepal.
5. Enlist maturity indices of rice, maize, finger millet and barley. Describe the tillering pattern of wheat.
6. Why the yield of November planted Rampur Composite Maize is higher than the February planted?
7. Mention the maize growing agro-ecology of maize with their characteristics. Explain the weed management practices of winter maize.
8. Why weeding after six weeks is not considered as economic in rice farming? Explain the innovative nitrogen management practices for rice.
9. Describe the drivers of transferring the present rice planting practices to the DSR. Explain the weed management practices of DSR.
10. Why underutilized food crops are considered as the important part of food and nutritional security in Nepal. Explain the economic benefits of these underutilized crops.
11. Write short notes on (any three):
 - a. SRI
 - b. Golden rice
 - c. Brown manuring
 - d. Puddling

GOOD LUCK