

KERALA AGRICULTURAL UNIVERSITY B.Sc. (Hons.) Ag.2017 admission IV Semester Final Examination-August-2019

Pbgn.2204

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2

quantitative traits.

Crop Improvement - II (1+1)

Marks: 50

Time: 2 hours Fill in the blanks Ţ. (10x1=10)1 The progeny of single homozygous self pollinated individual is called Theobroma is a Greek word which means 2 ICAR – NRC for Orchids is located in.... 3 4 Common name for *Indiofera tinctoria* is The anti-nutritional factor present in fodder sorghum is..... State True or False Pleiotrophy results in correlated response for selection between two traits. 6 Nobilisation in sugarcane was initiated to improve S. officinarum. 7 8 The legume fodder lucerne is a self pollinated crop. 9 Cardamom is called Oueen of Spices. 10 Most of the cultivated banana belong to Eumusa series. II Write short notes on ANY FIVE of the following (5x2=10)1 Differentiate Plantain and Banana. Name some mango hybrids with parentage. 3 Write a note on Cardamom inflorescence. 4 What are the three types of heterosis and how will you calculate it? 5 What are the features of quantitative traits? Marcoting in Sugarcane. Write the scientific names of the following medicinal plants. Kacholam a b Glory Lilly Indian long pepper С d Sarpagandha Ш Answer ANY FIVE of the following (5x4=20)How are Orchids grouped based on habit? 2 List the breeding objectives of Tapioca. Give an account on the any three breeding methods adopted in pepper and the success in each of the methods. Name few wild species of sugarcane and their contribution for crop improvement. Steps in pedigree breeding. Difficulties encountered in forage crop breeding. Ideotype concept. (1x10=10)IV Write an essay on ANY ONE of the following

Give a detailed note on different hybridization techniques in mango.

What are Qualitative and Quantitative traits? Give examples. Differentiate qualitative and