KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Agriculture 2014 Admissions

V<sup>th</sup> Semester Final Examination-February - 2017

Cat. No: Pbgn.3104 Title: Breeding of crops (2+1)	Marks: 50.00 Time: 2 hours
I Fill up the blanks	(10x1=10)
1. Expansion of IPR is	(2000)
2. Name a dwarfing gene in wheat	
3. Progenitor of maize is	
4. Theobroma cacao is now reclassified under the family	
5. Species of Pennisetum, in which apomitic gene is reported	
6. Progenitor of Red gram is	
7 is a white seeded sesamum released from University	Kerala Agricultural
<ol> <li>Head quarters of Asian Vegetable Research and I (AVRDC) is located at</li> </ol>	
9. First coconut hybrid was produced by in 1	934
10. Breeding method adopted for release of KAU cashew vari	ety 'Sulabha'
is	
II Write short notes on any FIVE of the following	(5x2=10)
<ol> <li>What is patent and its requirements. What are all not paten</li> </ol>	
<ol><li>List different species of maize with its ploidy level and chr</li></ol>	
<ol><li>What are all the morphological features preferred for "Sup</li></ol>	er rice".
4. Red Data Book	
5. List five sub species of Vigna unguiculata	
<ol><li>Explain seedling selection criteria for coconut</li></ol>	
<ol><li>List the major breeding objectives set for cashew improver</li></ol>	nent
III Write short notes on any FIVE	(5x4=20)
<ol> <li>Explain modified ear to row selection in maize</li> </ol>	
<ol><li>Define "Biological Diversity" and explain importance biodiversity</li></ol>	e of conservation of
<ol> <li>Give floral biology of ground nut with suitable diagra pollination</li> </ol>	am and its mode of
<ol> <li>Name four important national centers dealing with many the 'cage method' used in hybridization programme of many</li> </ol>	
<ol><li>Explain 'Test tapping' in rubber.</li></ol>	
<ol> <li>Comment on parentage, breeding procedure and critic released Chilli varieties – Jwalamukhi, Jwalasakhi, Uj Manjeri.</li> </ol>	
<ol> <li>Explain India's legal case with Basmati patent and how protested against this.</li> </ol>	Indian Government
IV Write Essay on any ONE	(1x10=10)
What are the different breeding methods to develop hybriline breeding system in rice.	ACCURATION OF THE PARTY OF THE
2. Fundain in datail TDCDI (Transical Determinal Conden on	d Dossauch Tustitutal

2. Explain in detail TBGRI (Tropical Botanical Garden and Research Institute)

model of Benefit sharing.