## B.Sc (Hons.) Ag 2012 and Previous Admission V<sup>th</sup> Semester Re- Examination- February-2016

Cat. No: Pbgn.3104 Title: Breeding of Crops (2+1)	Marks: 80.00 Time: 3 hours
I Answer all questions	(10 x 1=10)
1. Musa paradisiaca is a	(auto triploid/auto tetraploid)
2. Solanum tuberosum is	(auto triploid/auto tetraploid)
3. Triticum aestivum is (allo hexaploid /a	
4. Nicotianum tabacum is (auto	tetraploid/ allo tetraploid)
5. Sugar cane belongs to the family ( sola	naceae/graminae)
	A Report of the last and a serious A
Expand and write head quarters of the foll-	owing
7. ICRISAT	
8. CRRI	
9. NBPGR	
10.IARI	
II Write short notes on any TEN questions	(10 x 3=30)
1. WTO	
2. Domestication	
3. Apomixis	
4. TRIPS	
5. Acclamatization	
6. Breeding objectives in mango	
7. Floral biology of coconut	
8. Differences between mass selection and	d pureline selection
9. Dichogamy	
10. Double cross hybrids	
11. Geographical indications	
12. Distant hybridization	
II Write short essay on any SIX questions	(6x 5=30)
Natural and artificial selection	(======================================

2. Hardy Weinberg law

- imary centre of origin 4. Polyploids in ornamentals (1991 - and bandered) - and sustained
  - 5. Breeding methods in tomato
  - 6. Backcross breeding to develop a resistant variety in wheat
  - 7. Activities of NBPGR
- 8. Explain the lint quality parameters in cotton

## IV Write essay on any ONE

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- $(1 \times 10=10)$ 1. Write an essay on salient features of PPV and FR Act Describe the qualifying attributes for variety registration under PPV and FR Act. What are the main functions of PPV and FR authority
- 2. Explain the three line method of developing hybrids in rice