B.Sc.Hons (Ag) 2014 Admission IIIrd Semester Final Examination-February -2016

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I. Answer all questions	O DO YES IN A SECOND
Define the following	(10 x 1=10)
1. Hardy Weinberg law	
2. Isogenic line	
3. Random Mating Population	
4. Apospory	
5. Recurrent parent	
Fill in the blanks	
6 is an example for intergeneric cross	
7. Nobel prize for mutagenic action of X rays was given to	in 1046
8. An individual with two or more different genomes is called	III 1540
9crops are highly heterozygous and show severe inbree	eding depression
 Seeds are formed and embryo develop without fertilization is call 	lad
II Answer any Five questions	
1. Classification of Apomixis	(5 x 2=10)
2. Physical mutagens	
3. Define inbreeding and write about its effects	
4. Homomorphic system of Incompatibility	
5. SSD and its advantages	
6. Three way cross hybrids	
7. Evolution of brassica species	
II Write short essays of any Five questions	92 A 128
 Briefly describe the procedure of pedigree method breeding. through this breeding. 	(5 x 4=20) Discuss the achievements

- 2. Write about the classification of polyploids with examples
- 3. Write an essay on CGMS system and its achievements
- 4. Differentiate between synthetics and composites with examples
- 5. What is wide hybridization and write its problems and achievements
- 6. Write about the different types of recurrent selection with examples
- Compare clone, pureline, inbred and hybrid in a tabular form

- 1. Write an essay on heterosis breeding and its achievements in cereal crops
- 2. Enumerate different types of molecular markers. List out their applications in plant breeding

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