KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Ag.Degree Programme 2012 & Previous Admission VIth Semester Re- Examination- August-2016

Cat. No: Pbgn.3205 Title: Principles of Seed Technology(1+1)			
	efine the following: $(10 \times 1=10)$		The second second second
	Sampling intensity.	about the same of the same	
. 2	Equilibrium Moisture Content.		
	Offitynes	κ.	
	4. Extant variety.	The state of the s	
	Fill in the blanks:		
. 5	5 is the removal of undersized/under	erweight seeds from seed lot	
	The amount of in the seeds is the most during storage.	t important factor influencin	g seed viability
7	 The seed testing laboratory at has l Laboratory. 	been notified as Central See	d Testing
8	 is known as dipping the seeds in cl 	nemicals, soaps and fungicid	es to kill
	pathogen.		
M	Iultiple Choice:		
9	The designated disease of tomato is		
	a) Anthracnose b) Soft rot c) Phomor	osis blight d) Early blight	six
- 1	The total duration of protection of field crops ur	nder PPV&FRA -2001	-
	a) 9 years b) 12 years c) 15 years d)	18 years	
II W	rite short notes on Any TEN		(10 x 3=30)
1	. Classes of improved seeds		
	2. Physiological maturity.		
3	Patent and patent requirements.		
4	I. ISTA.		
5	Synchronization in hybrid rice.		
6	. Types of seed treatment.		
	 Electrophoresis method of varietal identification 	ı.	
	Characters of quality seed.		
	 Fundamental concepts of seed certification. 		
	Basic seed cleaning.		
	Problems affecting marketing.		
I	2. Principles of organizing Seed Certification Ager	ncy.	
Ш	Explain Any SIX of the following		(6 x 5=30)
1.	Describe the principle of forced air seed drying. E seed.	explain the properties of air	and its effect o
2.	Briefly explain seed treatment, its benefits and the	e conditions under which se	eds must be

Describe the important safeguards for maintaining genetic purity during seed production.
 Briefly describe the various forms of protection of intellectual properties and discuss the benefits and disadvantages of IPR regime.

5. Describe in brief the foundation and certified seed production in Brinjal.

Give a brief account of various statutory bodies and agencies established in India under Seed Act, 1966 and explain the functions of Central Seeds Committee.

7. What are the general principles of storage? Describe various types of storages.

 Describe the various contaminants to be observed during field inspection along with examples.

'IV Write essay on ANY ONE

(1 x 10=10)

 What is seed certification? Mention its objectives and Outline the procedure of seed certification with brief explanation of each step.

 Give a brief account of India's seed policy. Explain key features of Seed Bill (2004) and compare the same with Seeds Act (1966).