KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Forestry Degree Programme 2013 Admission VIth Semester Final Examination-July 2016

	No: Wosc.3209	Marks: 50.00
	Research Methods & Instrumentation Techniques (1+1)	Time: 2 hours
	hoose the correct answer (Answer all the questions)	(10 x 1 =10)
1.	The allocation of the treatments to the different experimental units i	n a random manner is
	What are the basic principles of field experimentation?	l) sampling l) all of these
	a) CRD b)RBD c) LSD d) SPD	
4.	When there are several factors with different levels to be experiment	ed simultaneously with
	the same level of precision, which design is most appropriate a) CRD b) LSD c) RBD d)Factorial scheme The minimum error degrees of freedom should be atleast a) 6 b) 12 c) 18 d)20 For the field experimentation the accurate idea of the fertility variation	on can be had with the
7.	help of a) Experimental field b) Uniformity trial c) coordinated trial d) Select the most appropriate design when all factors are not of equal i	All of these importance in
	experimentation a) Augmented b) Strip plot design c) LSD d) Split plot design Indian agricultural statistical research institute is located at a) Lucknow b) Jaipur c) New delhi d) Kolkata Walkley and Black's method of organic matter determination allow	percent
10	recovery. a) 54 b) 74 c) 64 d) 84 . ICRAF is located in a) Kenya b) India c)Malaysia d)South Africa	•
II V	Vrite short notes ANY FIVE	$(5 \times 2 = 10)$
4. 5. 6. 7.	Randomization Experimentation Local control Organizational pattern of ICAR Concepts of factorial experiments Flame Photometer	
III. E	plain ANY FIVE of the following	$(5 \times 4 = 20)$
1. 2. 3.	Differentiate between RBD and CRD Discuss about measurement and scaling techniques Test of significance —explain Write the role of ICFRE in forestry research Write any two instrument used for soil analysis —explain the prin	nciples and methods of
	working	