

KERALA AGRICULTURAL UNIVERSITY

B.Sc. (Hons.) Forestry 2014 Admission

V1th Semester Final Examination-July- 2017

Cat. No: Wosc 3209

Marks: 50

Title: Research methods and instrumentation techniques (1+1)

Time : 2 hours

I. Fill in the blanks/State True or False:

(10 x 1=10)

1. IGNFA stands for -----
2. Expand IUFRO.
3. DMRT stands for -----
4. Rain Forest Research Institute is located in ----- state.
5. Where is the Headquarters of ICFRE?
6. Which transformation is used to normalize the data given as percentage (Binomial variable)?
7. What is CGIAR?
8. Traces of potassium can be estimated by Kjeldahl method. (T/F)
9. The minimum number of replications for any experiment is three. (T/F)
10. Tropical Forest Research Institute of ICFRE is located in Jodhpur. (T/F)

II. Write short notes on ANY FIVE:

(5 x 2=10)

1. Differentiate between CRD and RCBD.
2. Latin Square Design.
3. Name the different methods of sampling.
4. Advantages of blocking.
5. Factorial experiments.
6. F Test.
7. Measures of central tendency and dispersion.

III Write answers on ANY FIVE:

(5 x 4=20)

1. Organizational pattern of ICAR.
2. What are the differences between field and lab experiments?
3. Local Control.
4. Concept of population and sample.
5. Estimation of soil nitrogen.
6. Models in agroforestry research.
7. Replication.

IV. Write essay on any ONE

(1 x 10=10)

1. Modern trends in forestry research.
2. Five important national institutes for forestry research and their mandates.