

KERALA AGRICULTURAL UNIVERSITY

BS.c (Hons) Forestry 2014 Admission

Vth Semester Final Examination- February 2017

Mat. No: Fmau. 3109

Marks: 50

Title: Forest Survey and Engineering (1+1)

Time : 2 hours

I. Match the following from A to B:

(10 x 1=10)

A

1. Dumpy level
2. Trough compass
3. Intersection method
4. Line ranger
5. Turning point
6. Tallies
7. Bridle path
8. Sand
9. Alidade
10. Reduction of levels

B

- Plane table survey
- Main instrument for plane table
- Ranging out
- Brass marking in the chain
- North line
- Building material
- Rise and fall method
- Change point
- Forest road
- Leveling instrument

II. Write short notes on ANY FIVE:

(5x 2=10)

1. Cross staff.
2. Meridian.
3. Earth dams.
4. Dumpy level.
5. Retaining walls.
6. Compass traverse.
7. Forest roads.

III Write answers on ANY FIVE:

(5 x 4=20)

1. Radiation method of plane table.
2. Rise and fall method of dumpy level.
3. Intersection method of plane table survey.
4. Setting up of plane table.
5. Obstacles for chaining and ranging.
6. Parallel meridian method.
7. Check dams.

IV. Write essay on any ONE

(1 x 10=10)

1. Explain about the chain survey and mention number of offsets required to locate various objects.
2. Forest roads, their design and alignment in plain and hilly areas.
