



Third Year Second Semester Examination in Science 2012/2013 (Sept. 2015)

BT 303, Quantitative Ecology and World Vegetation

Answer all questions

Time: 01 Hour

(1) Write suitable answers for the following

- a) "Quantitative measures are more meaningful than qualitative measures". Explain
- b) What is sampling?
- c) What should be recorded within a quadrat when sampling?
- d) Why Taiga Biome not present in the southern hemisphere?
- e) "Tropical rain forest soils are poor". Explain
- f) List the advantages of plot-less sampling technique than random quadrat sampling.
- g) When we choose stratified random sampling?
- h) How blocks are developed when designing RCBD? Explain the reason/s?
- i) Briefly explain different plotless sampling techniques in ecological studies.
- j) List the importance of **Chi square test for goodness of fit** in quantitative ecology.

(30 minutes)

(2) (a) Briefly describe the characters of plants in Tundra for its successful survival.

(b) Compare CRD and RCBD in designing experiments

(c) "Sampling needs commonsense". Explain

(30 minutes)