

**RDL 700: Biomass Production**  
**Minor I**

**Date: 4<sup>th</sup> Sept' 09**  
**Time: 1 Hr**  
**Max Marks: 20**

**Note:** All questions are compulsory

- Q.1 (A) Give valid reasons, why sulphur use is known superior over gypsum in the soils containing high amount of  $\text{Na}_2\text{CO}_3$ ? (2 marks)
- (B) Give the dominating characteristics of saline and alkali soils. (3 marks)
- Q.2 Write short notes on any two of the following: (5 marks)
- (A) Humus
- (B) Classification of phytobiomass on the basis of water requirement.
- (C) Clay particles
- Q.3 (A) Discuss earthcrust. What kind of important information do we get by knowing the composition of earthcrust? (2 marks)
- (B) What are the differences among colluvial, alluvial and aeoline soils? (1.5 marks)
- (C) Give the available forms of Phosphorus, Nitrogen, Boron. (1.5 marks)
- Q.4 Clear the following terms:
- (A) Embryophytes and Tracheophytes
- (B) Eutrophic and Oligotrophic lakes
- (C) Lentic and Neritic water environment
- (D) Sanguivorous and coprophagous animals
- (E) Peat and BGA

(1 x 5 = 5 Marks)