



Date : 07-04-2009
Time : 0930-1230 hours

SECTION II

- (1) (a) Briefly explain the factors influencing on soil granule formation and development.
(b) How does the bulk density of a soil change as organic matter is added to the soil?
- (2) Discuss the different soil conservation practises that help to improve the agricultural productivity of a farm.
- (3) Discuss the factors that have great influence on land classification with suitable examples from Sri Lanka.
- (4) Briefly explain the different land reclamation methods that you can practise to convert a land with a saline soil in to an agricultural land.
- (5) (a) What are the methods available to identify the compacted soil and explain them briefly?
(b) Briefly explain the causes and consequences of soil compaction in an agricultural land with suitable examples.
- (6) Write short notes on any three (03) of the following.
 - (a) Primarily tillage
 - (b) Secondary tillage
 - (c) The effect of soil salinity on plant growth
 - (d) Advantages of land survey in agricultural operations