



Answer **ALL** Questions

Time: Three Hours

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01. You have been assigned to advise farmers about Black Gram (*Phaseolus mungo*) cultivation. Explain how do you advise the farmers.
02. “Tuber bulking rate and duration in potato (*Solanum tuberosum*) are influenced by several environmental and cultural factors”. Justify the statement.
03. Briefly describe the following
  - a) Importance of legumes
  - b) Factors affecting pegging in ground nut (*Arachis hypogaea*)
04. A leading agricultural company in Sri Lanka decided to produce true seeds in Big Onion (*Allium cepa*). If you are assigned as an Agronomist in this company how you would complete this task.
05. Explain the following
  - a) Curing in harvested Tobacco (*Nicotina tabacum*)
  - b) Topping and Suckering in Tobacco (*Nicotina tabacum*)
06. Write short notes on the following
  - i) Boll shedding in cotton (*Gossypium hirsutum*)
  - ii) Systems of planting in Sugarcane (*Sachcharum officinarum*)
  - iii) Planting orientation of cuttings in Cassava (*Manihot esculenta*)