

Instructions

Answer **All TWO** questions.

No. of questions : Two (02)

No. of pages : One (01)

Total marks allocated : 50%

Time : One hour (1hr)

Part III - Essay

Question 1

Most of the useful characters of crops are governed by polygenic / quantitative traits.

Explain how "natural selection" applies to quantitative traits.

Question 2

Write short notes on,

- 1 Degeneracy of genetic code in protein translation
- 2 Use of heritability estimates in plant breeding
- 3 Use of Autotetraploids and Amphidiploids in agriculture

