

**LPUNEST – Ph.D. Plant Breeding & Genetics
(Sample Questions)**

QUESTION 1

Heterosis is

- Option A Appearance of spontaneous mutation
- Option B Induction of mutation
- Option C Mixture of two or more traits
- Option D Superiority of hybrids over their parents

QUESTION 2

Breeding for disease resistance requires

- Option A Planned hybridization
- Option B Selection for disease free plants
- Option C A good source of resistance
- Option D All of these

QUESTION 3

Who has given pure line theory?

- Option A R johannsen
- Option B R johnsen
- Option C G mendel
- Option D G r mendel

QUESTION 4

In which segregating populations, genotypic variation is minimum?

- Option A F2
- Option B F3
- Option C F1
- Option D F6

QUESTION 5

The quickest method of plant breeding is

- Option A Selection
- Option B Introduction
- Option C Hybridization
- Option D Mutation breeding