

Pramukh Swami Science and H.D.Patel Arts College, Kadi
Advanced diploma in Agriculture and Soil Sciences
Internal Examination Semester IV March-2019
AS 404(Principles of Plant breeding)

Time: 2 hrs

Date: 28/03/2019

Maximum marks: 40

Q.1 Answer all questions. Each question carries 1 mark (10*1=10 Marks)

1. What is Plant breeding?
2. Cross pollination leads to _____.
A. Homozygosity B. Heterozygosity C. Both A&B D. None of these
3. Which of the following is Male reproductive organ?
A. Stamen B. Pistil C. Both D. None
4. Plant breeding can improve _____ of plant.
A. Susceptibility B. Dormancy C. Heredity D. None
5. Define: Sexual reproduction.
6. Define: Emasculation.
7. Mendel is the father of Genetics. True/False
8. Heterozygous individuals are represented as _____.
A. RR B. rr C. Rr D. None of these
9. Define: Male sterility
10. Among which of the following always done based on phenotypic performance?
A. Pure line selection B. Mass selection
C. Progeny selection D. Pedigree selection

Q. 2. Answer any 4 questions. Each question carries 5 marks (5*4=20 Marks)
(SHORT QUESTIONS)

1. Write a note on Mode of reproduction in plants.
2. Explain in detail: Pollination in plants.
3. Write in detail: Pedigree method.
4. Describe Male sterility.
5. Describe in detail- Pure line theory.

Q.3 Answer any 1 question. The question carries 10 marks. (1*10=10 Marks)
(DESCRIPTIVE QUESTIONS)

1. Explain briefly: Aims and objectives of Plant breeding.
2. Describe in detail: Hybridization.

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