

Hemchandracharya North Gujarat University
Community College
Advance Diploma in Agriculture and Soil Science Semester- IV
April -2018

AS- 404-Principles of Plant Breeding

Date: 27/03/2018

Time: 2 hrs

Marks: 40

Q.1 Answer any 10 MCQ questions. Each question carries 1 mark.

[10*1=10]

1. Define reproduction

Match A with B

1	Male reproductive organ	Interbreeding
2	Apomixis	Anther
3	Hybridization	Haberlant
4	Diocious plant	Mixing
5	Father of tissue culture.	Male or female plant

6. Hybridization is common in _____ crop.

A. wheat B. Cotton C. Ginger D. Sorghum

7. Kalyan is variety of wheat.. True/ False

8. GCH-7 is susceptible variety of castor (True/ False).

9. Bagging is done to during hybridization to avoid _____

A. Self Pollination B. Mixing C. Protection from foreign pollen D. All of the above.

10. Carpel is also known as _____

A. Calyx B. Gynocium C. Androcium D. Corolla

Q.2 Explain the following

[4*5=20]

1. Differentiate self pollinated crop with cross pollinated crop.
2. Any one breeding method.
3. Describe aims of hybridization
4. Define pollination along with types.
5. Significance of plant breeding.

Q.4 Write down detail of following questions.

[1*10=10]

1. Mode of pollination in details.
2. Describe male sterility in detail.