## TRIBHUVAN UNIVERSITY

## GOKULESHWOR AGRICULTURE AND ANIMAL SCIENCE COLLEGE

## B. Sc. Ag., Practical Examination

2076

Subject: Introductory Pla Time: 45 Minutes	ant Breeding FM: 15 PM: 6
Select the correct choice from the	options given, for the following statements.
1. Wheat is a	crop.
<ul><li>(a) Cross pollinated crop</li><li>(b) Self pollinated crop</li></ul>	(c) Often self pollinated crop (d) Often cross pollinated crop
2. Tomato is	crop.
<ul><li>(a) Monoploid</li><li>(b) Diploid</li></ul>	<ul><li>(c) Tetraploid</li><li>(d) Hexaploid</li></ul>
3. Crossing of crop plants is best do	ne at
<ul><li>(a) Morning</li><li>(b) Noon</li></ul>	(c) Evening (d) Night
4. Which method of breeding allows	natural selection to take place?
<ul><li>(a) Mass selection</li><li>(b) Pedigree selection</li></ul>	<ul><li>(c) Bulk selection</li><li>(d) Backcross selection</li></ul>
5. In tagging of crossed flowers which	n information is missed?
<ul><li>(a) Date of emasculation</li><li>(b) Name of female and male page</li></ul>	(c) Name of breeder and institution (d) Mode of pollination
6. Seed purity does not include	
<ul><li>(a) Inert matter</li><li>(b) Other crop seeds</li><li>(c) Weed seeds</li></ul>	<ul><li>(d) Identifiable seeds of other varieties</li><li>(e) Half broken seeds</li></ul>
7. Breeding method for self pollinat	d crops relies on:
<ul><li>(a) Increasing yield</li><li>(b) Increasing homozygosity</li></ul>	<ul><li>(c) Increasing heterozygosity</li><li>(d) Increasing hybrid vigour</li></ul>
8. What is the trait of consideration	for determining disease tolerance?

9.	Which is a national hybrid of maize ?		
	<ul><li>(a) Manakamana-1</li><li>(b) Rampur composite</li></ul>	(c) Posilo makai (d) Gaurav	
10.	0. Which is not a research organization related to plant breeding?		
	<ul><li>(a) ICARDA, Lebanon</li><li>(b) CIMMYT, Mexico</li></ul>	(c) IEEE, US (d) CIP, Peru	
11.	11. How do you determine the germination percentage of a seed sample in lab? Determine for the g quality of seed the actual amount of seed required to plant 2 hectare of rice. $(1+2)$		
	• Seed rate of rice: 45 kg/ha	• Purity percentage: 98 %	

(c) Yield

(d) Leaf greenness

(a) Disease symptoms

(b) Length of panicle

• Germination percentage: 80%

12. What are the different classes of seeds? What is CVT and PYT in varietal release program? (1+1)