

KERALA AGRICULTURAL UNIVERSITY
B.Sc (Hons.) Agriculture – 2009 Admission Vth Semester
Final Examination – January / February 2012

Title : Pbn. 3104

Marks : 80

Course : Breeding of crops and intellectual property rights (2+1)

Time : 3 Hours

I. Answer in a word

(10 x 1 = 10)

1. Inflorescence in coconut is known as
2. Emasculation in maize
3. Commercially exploited male sterility system in rice in India
4. Centre of origin of Maize
5. A variety of cardamom released by KAU
6. Source of male sterility in Bajra
7. DRR is located at -----
8. Clonal selection is followed in -----
9. Pure line selection is otherwise known as -----
10. Plant breeders rights are granted by -----

II. Write short notes (any ten)

(10 x 3 = 30)

1. Composites
2. Mass selection
3. Three way cross
4. Polycross technique
5. Hybrid varieties in coconut
6. Breeding methods of banana
7. Multiline varieties in wheat
8. Distant hybridisation
9. Vertical resistance
10. Golden rice
11. Geographical indications
12. Reciprocal recurrent selection

III. Describe in detail (any six)

(6 x 5 = 30)

1. Polyploidy breeding
2. Conservation and utilisation of genetic resources
3. Breeding objectives and achievements in Coconut
4. Material transfer agreement
5. Hardy Weinberg law
6. Backcross breeding to develop a resistant variety in wheat
7. Origin of wheat
8. Mechanism of resistance in plants

IV. Write an essay (any one)

(1 x 10 = 10)

1. Three line method of developing hybrids in rice
2. Application of IPR in Agriculture