



KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Hons.) Forestry 2015 Admission
V Semester Final Examination-February-2018

Fmau.3106

Tree Propagation and Nursery Technology (1+1)

Marks: 50

Time: 2 hours

(10x1=10)

I Fill in the blanks:

- 1 Dry seeds when placed on moist filter paper absorb water and swell up due to.....
- 2 The progeny of breeder seed produced by National Seeds Corporation is.....
- 3 Serpentine method is a type of propagation method
- 4 Plants having all the characters of mother plant are obtained in the method called.....
- 5 Which of the following is a natural plant auxin?
a 2,4-D b 24,5-T c IAA d IBA
- 6 The success of a grafting in plants is the union of
- 7 Pollination by the wind is known as.....
- 8 The shoot producing part in grafting is known as.....
- 9 The chemical used for pollen staining during pollen germination studies.....
- 10is known as the principal axis of plant from which buds and shoots are developed

II Write Short notes on ANY FIVE of the following

(5x2=10)

- 1 Somaclonal variations
- 2 Totipotency in plants
- 3 Protogyny
- 4 Roots
- 5 Apical dominance
- 6 What is Recurrent Apomixis
- 7 What is artificial seed ?

III Answer ANY FIVE of the following

(5x4=20)

- 1 Define and differentiate pollination and Fertilization
- 2 Concepts and principles of grafting
- 3 Write a note on various steps involved in the aseptic in vitro culture of plant tissue
- 4 Write a note on role of Auxins in plants
- 5 Write a note on different types of cuttings
- 6 Write a note on Rhizome
- 7 Factors causing dormancy of seeds

IV Write an essay on ANY ONE of the following

(1x10=10)

- 1 Pseudo sexual reproduction
- 2 Discuss the influence of pollination on forest and trees. How pollination takes place in plants. Mention the detailed role of pollinators in pollination
