

# KERALA AGRICULTURAL UNIVERSITY

BS.c (Hons) Forestry 2014 Admission

Vth Semester Final Examination-January 2017

No: Wosc. 3107

Logging and Ergonomics (2+1)

Marks: 50

Time : 2 hours

Fill up the blanks/True or False:

(10 x 1=10)

1. The tree price generally represents ----- value of the saleable products.
2. Reduced impact logging (RIL) systems are currently being developed in ----- Country.
3. Logging Training Centre was established at -----
4. The width of the saw cut is -----
5. The standard length of the axe handle is -----
6. The edges of the tooth which faces the cutting direction of the saw is called face.
7. The first step in forest harvesting is felling and bucking.
8. Saw is the primitive tool used in the logging operation.
9. Debris left after a logging operation is called decomposition.
10. Set is the extent to which the teeth are bent to either side of the plane of the blade.

II. Write short notes on ANY FIVE:

(5x 2=10)

1. Give the aims and objects of the Logging Training Centre.
2. Expand- RIL and TFF.
3. Forest tramways.
4. Give the various types of Cable hauling system.
5. Write short notes on Felling season.
6. Give the different types of rafts used in water transportation.
7. Mention the advantages of power saws.

III Write answers on ANY FIVE:

(5 x 4=20)

1. Discuss in detail the RIL procedures followed in harvesting of wood.
2. Explain in detail the methods of sale of forest produce.
3. List out the factors which determine the degree of utilization.
4. Write an essay on water transportation by floating.
5. Give the details on effect of heavy work, posture, weather and nutrition related to ergonomics.
6. Discuss in detail about the Minor transportation method used for logs.
7. Discuss in detail about requirement of energy and rest periods in ergonomics.

IV. Write essay on any ONE

(1 x 10=10)

1. Write in detail on the damage caused by the pests, diseases on trees and their preventive measures.
2. What are equipments used for protection during forest operation. Write the safety measures followed for forest operation.

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