

KERALA AGRICULTURAL UNIVERSITY
B.Sc (Hons.) Forestry 2013 Admission
Vth Semester Final - Examination- February-2016

Cat. No: Wosc.3107

Marks: 50.00

Title: Logging and Ergonomics (2+1)

Time: 2 hours

I Fill up the blanks

(10 x 1=10)

1. The rounded products of varying lengths are called as _____
2. The thickness of the blade is known as _____
3. _____ is the angle between the face of a tooth and the line passing through the points of the teeth.
4. One man saw is also termed as _____
5. Telescopic floating is mostly done in _____

State True False

6. Bill hook is used for felling, trimming, splitting and grubbing of trees
7. The entire opening between two adjacent teeth is gullet
8. Conventional Logging promotes minimizing ground disturbance and slash management
9. Telescopic chute is otherwise known as Pathru
10. Felling should usually begin at the bottom of the slope and proceed upwards

II Write short notes on any FIVE questions

(5 x 2=10)

1. Define Logging and Ergonomics
2. Write a note on Rafts and its types
3. Briefly discuss about felling with axe alone
4. Write about saw and its types.
5. Write a short note on Cable puller
6. Dressing of logs
7. Give the standard grade for timber in India

III Write short essay on any FIVE questions

(5 x 4=20)

1. Give the definition and scope of logging and briefly explain about logging plan and execution.
2. Discuss in detail on RIL and its procedures to be followed in harvesting of wood.
3. Give detailed account on Timber Depots type, lay out and management.
4. Write about the temporary and final storage methods in logging.
5. Explain water transportation with its different methods
6. List out various implements and tools used in logging operations.
7. Brief about transport by road and railways.

IV Write essay on any ONE

(1 x 10=10)

1. Write short essay on various felling rules and methods adopted in logging.
2. What are the causes of accidents in logging operations and give the details about safety rules and first aids.