

KERALA AGRICULTURAL UNIVERSITY

B.Sc. (Hons.) Forestry 2014 Admission
V1th Semester Final Examination-July- 2017

Cat. No: Fmau 3212

Title: Utilization of non-timber products (1+1)

Marks: 50

Time : 2 hours

I. Fill in the blanks:

(10 x 1=10)

1. The tree, *Bombax ceiba* is commonly known as -----
2. Canes are otherwise known as -----
3. *Boswellia serrata* yields ----- gum.
4. Chebulic myrobalan is obtained from -----
5. The method of extracting fibre from one another is known as -----
6. 'Henna dye' is obtained from the leaves of -----
7. Lac is a resin secreted by the insect -----
8. Fiber is obtained from the ----- tissue of many woody species.
9. Beedi making is done from the Tendu leaves of the species-----
10. ----- is a species from which Agar oil is distilled.

II. Write short notes on ANY FIVE:

(5x 2=10)

1. Essential oils.
2. Bio pesticides.
3. Pine resins.
4. Collection methods of NTFP's.
5. Differentiate gums and resins.
6. What are the uses of Lac?
7. Name the important species of canes.

III Write answers on ANY FIVE:

(5 x 4=20)

1. Classify the dyes with examples.
2. Indicate the various spices and its utility found in the forests.
3. List out important root durgs and their uses.
4. Processing of fibres and flosses.
5. Properties and uses of shellac.
6. Describe the distillation of leaf oil.
7. List out various animal products derived from forests and its usage.

IV. Write essay on any ONE

(1 x 10=10)

1. Narrate the sources, collection and processing of beedi leaves.
2. Briefly explain the methods of resin tapping.
