

UNIVERSITY OF RUHUNA

BACHELOR OF SCIENCE (GENERAL) DEGREE LEVEL III - (SEMESTER II)
EXAMINATION –DECEMBER- 2016

SUBJECT: BOTANY

Medium: English

COURSE UNIT: BOT 3212 (Wood Science &Technology)

Time: One and half hour

Answer all three (03) questions.

1. Write short answers in the spaces given.

A).Define “Wood” with respect to its chemical nature.

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B). Draw a line diagram of a mature stem of a woody plant to show different tissues. Label the tissues.

C).What is a tylosis? Explain briefly.

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D). Distinguish latewood and early wood with respect to the formation of growth rings.

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E). Name three types of logging methods.

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F). Name two plant species that are cultivated for timber in Sri Lanka.

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G). Define "Wood grain".

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H). Name three main groups of wood preservatives.

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I). Make a drawing to show how a bi-seriate ray is seen in a TLS of a stem.

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J). Write three drawbacks of air seasoning of timber.

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(Each A to J: Marks: 10)

2). Write notes on the following. Include diagrams when necessary.

- i. Wood parenchyma.
- ii. Tree rings.

(Marks: 100)

3). Discuss various factors that would determine wood figure. (Marks: 100)