

**UNIVERSITY OF RUHUNA
BACHELOR OF SCIENCE (GENERAL) DEGREE LEVEL I
(SEMESTER II)
EXAMINATION -- JANUARY 2018**

SUBJECT: BOTANY (Plant Ecology)

COURSE UNIT: BOT 1231

Index number.....

Time: One Hour

Answerer **ONLY two questions** including question **NO. 1**

1) A) What do you mean by the following terms?

i) Autecology

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(5 Marks)

ii) Epiphytes

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(5 Marks)

iii) Community

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(5 Marks)

iv) Symbiosis

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(5 Marks)

v) Species

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(5 Marks)

B)

i) Classify the organisms according to their 'mode of nutrition'.

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(5 Marks)

ii) Named the two major categories of 'ecosystem components'.

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(5 Marks)

iii) What is the significance of “drip tips” in plants of a tropical rainforest?

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(10 Marks)

v) List the dominant Precambrian rock types recorded from Sri Lanka.

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(5 Marks)

C) The following diagram (Diagram 1) illustrates the zonation of aquatic vegetation. Questions (i) to (iv) are based on the given diagram.

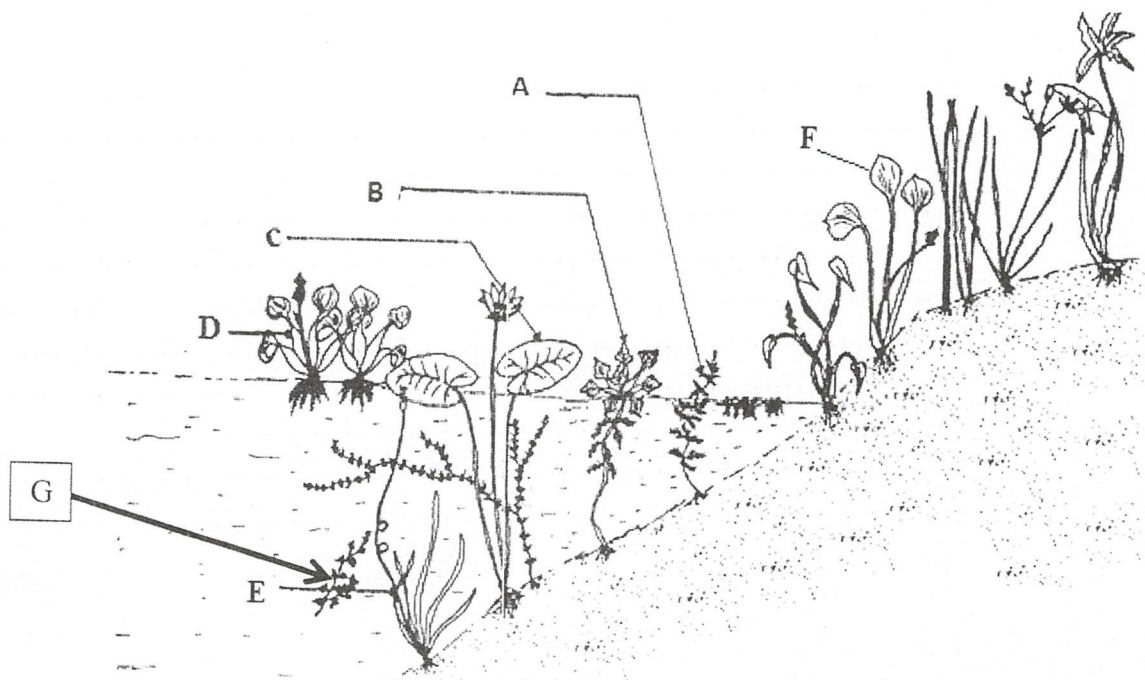


Diagram .1

i) Name the categories of hycrophytes, which are represented by A,B,C, D,E , F and classified based on the zonation/ habitat.

A.....

B.....

C.....

D.....

E.....

F.....

(12 Marks)

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(20 Marks)

2) Write short notes on followings

- i) Chemosynthetic autotrophs
- ii) Physical space
- iii) Cyclic changes in *Suaeda* communities

(100 Marks)

3) Describe the morphological and anatomical adaptations of plants found in different zones in a seashore vegetation.

(100 Marks)