

Uva Wellassa University of Sri Lanka
Faculty of Science and Technology
Department of Science and Technology
100 level 2nd semester Examination – Jan./Feb. 2016
SCT 111-2 Bioprospecting



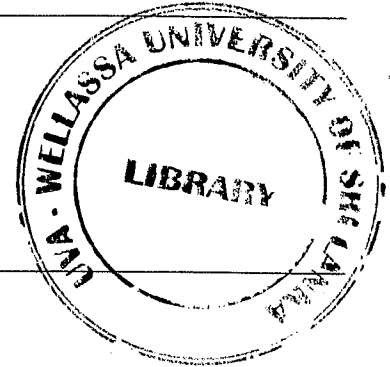
Instructions to candidates

Duration: Two (02) hours

Number of questions: Four (04) essay questions

Answer all questions

Mark allocation: 100



1.
 - a. List the three basic shapes of bacterial cells.
 - b. Describe the main ecological roles of bacteria.
 - c. Discuss two commercially important processes that dependent on bacterial metabolic fermentation

(30 mark)
2.
 - a. Describe the main features of fungi cells.
 - b. Discuss the uses of fungi in food and pharmaceutical industries.

(20 mark)
3. Write short notes on the following.
 - a. Lichen
 - b. Sporophyte
 - c. Pseudocoelom
 - d. Bacteriophage

(20 mark)
4.
 - a. List key morphological features of molluscs.
 - b. Why is the Kingdom Protista considered as the most diverse Kingdom?
 - c. How can protists be differentiated from animals?

(30 mark)