



**RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES, MIHINTALE.**

**B.Sc. (Special) Degree in Applied Biology
Fourth Year – Semester I Examination – April/May 2015**

MIB 4201 - APPLIED MYCOLOGY AND MUSHROOM TECHNOLOGY

Time: Two (02) hours

Answer four (04) questions, including question number one (01).

1. Mushroom farming will become a very important household industry in the rural development program in Sri Lanka. Consistent production of successful mushroom crops will be gained with scientific knowledge and practical experience. Using the current Technology of mushroom cultivation describe how you would instruct a farmer to develop a household mushroom farm.
2. Critically evaluate the use of arbuscular mycorrhizae as potential bioprotectant against plant pathogens.
3. a) Discuss the underline principles of controlling fungal growth.
b) Fungal products are an essential part of future sustainable solutions. Giving examples, analyze this statement.
4. Write short notes on following
 - a) Lichens as bioindicators of air pollution
 - b) Mycorrhizal fungi diversity
5. "Mycorrhizoremediation is an enhanced form of phytoremediation." Comment on the above statement.