



**RAJARATAUNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES**

**B.Sc. (Special) Degree in Applied Biology (Specialization- Microbiology)
Fourth Year –Semester I Examination – Oct/Nov 2015**

MIB- 4201 APPLIED MYCOLOGY AND MUSHROOM TECHNOLOGY

Time: Two (2) hours

Answer Four (04) questions.

1. Critically evaluate the use of arbuscular mycorrhizae on bioremediation of polluted soils.
2. a) Discuss the lichens role in traditional medicine and drug discovery.
b) Explain the interactions between plants and lichens.
3. a) Analyze the use of *Metarhizium* as a biopesticide.
b) Giving examples describe mycotoxins and their effects on human health.
4. Mushroom farming will become a very important household industry in the rural development program in Sri Lanka. Considering mushroom cultivation techniques in Sri Lanka state whether you agree to this.
5. Write short notes on following
 - a) Arbuscular mycorrhizae as bioprotectants
 - b) Dark septate endophytes (DSE)