



RAJARATA UNIVERSITY OF SRI LANKA

FACULTY OF APPLIED SCIENCES

B.Sc. (Special) Degree in Applied Biology

Third Year Semester I Examination – June/ July 2018

MIB 3202 – SOIL MICROBIOLOGY

Time: Two (02) hours

Answer ALL questions.

1. Relate the distribution of soil microorganisms with the features of soil environment. (100 Marks)

2. a) What are criteria used to differentiate autochthonous and allochthonous microbial populations? (30 Marks)
b) Give a brief account on the possible reasons for inconsistent outcomes of soil microbial inoculations. (70 Marks)

3. a) Explain what disease permissive and disease suppressive soils are. (30 Marks)
b) Give evidence to support the idea of the involvement of soil inhabitants in disease suppressiveness. (70 Marks)

4. Discuss the use of DNA based techniques in studying soil microbiota. (100 Marks)

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