



**RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES**

**B.Sc. (General) Degree in Applied Sciences
Third Year – Semester II Examination – April/May 2016**

BOT 3203– INDUSTRIAL MICROBIOLOGY

Time: Two (02) hours

Answer any four (04) questions.

1. Compare and contrast the effectiveness of biofertilizers to improve soil health and productivity over synthetic fertilizers.
2. Millions of liters of petroleum enter the marine environment from both natural and anthropogenic sources every year. Critically evaluate the use of hydrocarbon degrading microorganisms in oil spill bioremediation.
3. Explain microbial bioconversions and their industrial applications.
4. Giving examples, analyze the use of microbial biocontrol processes in plant disease and pest control.
5.
 - i) Describe different fermentation techniques which are being used in industrial processes.
 - ii) What are the factors considered during industrial media preparation?
 - iii) Describe the downstream processing of wine.

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