



**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 3205– POSTHARVEST TECHNOLOGY OF FRUITS AND VEGETABLES

Time: Two (02) hours

Answer any four (04) questions.

1. a) Discuss the preharvest factors that are involved in postharvest disease development of banana crown rot.

b) Evaluate integrated control strategies that can be implemented to achieve efficient crown rot control.
2. Critically evaluate the general, beneficial and detrimental effects of ethylene on postharvest quality of fresh fruits and vegetables.
3. Compare the effectiveness of emerging postharvest practices on fresh-cut fruit preservation with chemical control.
4. Explain how you would propose to improve harvesting, sanitation procedures, transportation and packing house operations of mangos in Sri Lanka in order to supply good quality mangos to the market with minimum postharvest losses.
5. Differentiate between
 - a) minimally processed and fully processed fruits
 - b) active packaging and modified atmosphere packaging (MAP) of processed fruits.