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THE OPEN UNIVERSITY OF SRI LANKA
B.Sc. DEGREE PROGRAMME - BOTANY - LEVEL 05
BTU3102/BTE5102 – PLANT PATHOLOGY I
ASSESSMENT TEST I (OPEN BOOK TEST)
DURATION : ONE (01) HOUR

Date: 05th September 2010

Time :11.00 a.m. – 12.00noon

Reg. No.

ANSWER ALL QUESTIONS IN THE SPACE PROVIDED.

01. Give a brief account of the following indicating what they are and their significance in plant pathology.

a) Biological control

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b) Gene-for-gene hypothesis

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c) Hypersensitive response

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d) Indicator plants

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e) Koch's postulates

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f) Wound pathogens

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g) Yellows diseases

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(35 marks)

02. What characteristic features would you use to recognize the following symptoms?

a) Albication -

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b) Anthracnoses -

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c) Phyllody -

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d) Rosetting -

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(20 marks)

03. Differentiate between the following:

a) Alternate hosts and alternative hosts.

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b) Inoculation and infection.

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c) Obligate pathogens and facultative pathogens.

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d) Stylet-borne viruses and circulative viruses.

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e) Virulence and immunity.

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(25 marks)

04. What roles are played by the following during disease development?

a) Appressoria –

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b) Haustoria –

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c) Pectolytic enzymes –

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d) Phytoalexins –

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e) Tyloses –

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(20 marks)

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